

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:
March 2001

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Governor
State of California

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Secretary for Resources
The Resources Agency

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Director
Department of Water Resource

State of California
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The organization shown above represents staff and positions relevant to this report as of publication date on September 30, 2001. It is the department's policy to not show staff in "Acting" or "Temporary" positions.

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MONTHLY HIGHLIGHTS

The following highlights are activities or actions that impacted State Water Project operations during the month of March 2001.

Statewide precipitation was 75 percent of average for the 2000-2001 water year as of March 31. Statewide runoff was 40 percent of average for the water year. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available via the internet at: "http://cdec.water.ca.gov/snow_rain.html".

Based on the amount of water in storage and updated snow survey information, DWR increased the allocation to most State Water Contractors from 20 percent to 25 percent on March 6, with an additional increase to 30 percent on March 15.

Statewide reservoir storage continued to be about 15 percent above average for March. At the end of the month, total storage in major SWP reservoirs was about 3.68 MAF, compared with about 4.6 MAF at this time in 2000. Average storage in the major SWP reservoirs on March 31 was about 4.35 MAF. The March 31 storage at Lake Oroville was about 2.05 MAF as compared to 2.8 MAF last year. The State's share of San Luis Reservoir storage was about 997 TAF, as compared with 1.06 MAF at this time last year. On March 31, the combined storage in our southern reservoirs was about 639 TAF, compared with about 653 TAF at this time last year.

Through March, SWP water deliveries for 2001 were about 374,600 AF. This is a combination of project, transfer, and exchange waters. This is 273,000 AF less than delivered during the same period in 2000.

From March 19 through March 26, the SWP delivered approximately 40,000 AF of Article 21 water.

High salvage rates of winter-run size Chinook salmon continued through the first half of March. The EWA spent all of its water set aside for March on SWP export reductions during the first week of March, after which exports were unrestricted through the remainder of the month.

Water quality was good and flows were plentiful following late February storms and early snow melt runoff as late March temperatures were well above normal. All water quality standards were met.

The Delta Field Division performed an inspection on the North Bay Aqueduct.

Table 1. Antelope Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 22,566 ac-ft

March 2001

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow 1/	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/		
				Stream-flow Maint.	Water Supply Contract	Water Right				
Feb 28	4991.12	13,733								
1	4991.13	13,740	7	5	0	0	0			
2	4991.16	13,761	21	5	0	0	0			
3	4991.18	13,775	14	5	0	0	0			
4	4991.28	13,844	69	5	0	0	0			
5	4991.33	13,879	35	5	0	0	0			
6	4991.37	13,907	28	5	0	0	0			
7	4991.42	13,942	35	5	0	0	0			
8	4991.47	13,977	35	5	0	0	0			
9	4991.55	14,033	56	5	0	0	0			
10	4991.59	14,061	28	5	0	0	0			
11	4991.63	14,089	28	5	0	0	0			
12	4991.67	14,118	29	5	0	0	0			
13	4991.73	14,160	42	5	0	0	0			
14	4991.78	14,195	35	5	0	0	0			
15	4991.81	14,216	21	5	0	0	0			
16	4991.88	14,266	50	5	0	0	0			
17	4991.92	14,294	28	5	0	0	0			
18	4991.99	14,399	105	5	0	0	0			
19	4992.09	14,415	16	5	0	0	0			
20	4992.22	14,508	93	5	0	0	0			
21	4992.34	14,594	86	5	0	0	0			
22	4992.48	14,695	101	5	0	0	0			
23	4992.65	14,818	123	5	0	0	0			
24	4992.83	14,949	131	5	0	0	0			
25	4993.15	15,184	235	5	0	0	0			
26	4993.34	15,324	140	5	0	0	0			
27	4993.47	15,421	97	5	0	0	0			
28	4993.66	15,562	141	5	0	0	0			
29	4993.83	15,690	128	5	0	0	0			
30	4993.98	15,803	113	5	0	0	0			
31	4994.13	15,916	113	5	0	0	0			
Total cfs-days				- - -	155	0	0	0	44	
Total ac-ft				2,183	307	0	0	0	87	
									199	
									1,299	
									394	
									2,577	

1/ Values not available on a daily basis.

Table 2. Frenchman Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 55,477 ac-ft

March 2001

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow 1/	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/	Total Outflow 1/		
				Stream-flow Maint.	Water Supply Contract	Water Right					
Feb 28	5578.13	41,209									
1	5578.13	41,209	0	3	0	0	0				
2	5578.07	41,130	-79	3	0	0	0				
3	5578.08	41,143	13	3	0	0	0				
4	5578.18	41,275	132	3	0	0	0				
5	5578.25	41,367	92	3	0	0	0				
6	5578.26	41,380	13	3	0	0	0				
7	5578.29	41,420	40	3	0	0	0				
8	5578.28	41,407	-13	3	0	0	0				
9	5578.33	41,473	66	3	0	0	0				
10	5578.32	41,460	-13	3	0	0	0				
11	5578.37	41,526	66	3	0	0	0				
12	5578.38	41,539	13	3	0	0	0				
13	5578.44	41,618	79	3	0	0	0				
14	5578.47	41,658	40	3	0	0	0				
15	5578.49	41,685	27	3	0	0	0				
16	5578.43	41,605	-80	2	0	0	0				
17	5578.52	41,724	119	2	0	0	0				
18	5578.54	41,751	27	2	0	0	0				
19	5578.59	41,817	66	2	0	0	0				
20	5578.64	41,884	67	2	0	0	0				
21	5578.63	41,871	-13	2	0	0	0				
22	5578.71	41,977	106	2	0	0	0				
23	5578.75	42,030	53	2	0	0	0				
24	5578.72	41,990	-40	2	0	0	0				
25	5578.84	42,150	160	2	0	0	0				
26	5578.90	42,230	80	2	0	0	0				
27	5578.87	42,190	-40	2	0	0	0				
28	5578.95	42,297	107	2	0	0	0				
29	5578.98	42,337	40	2	0	0	0				
30	5578.99	42,351	14	2	0	0	0				
31	5579.01	42,378	27	2	0	0	0				
Total cfs-days				---	77	0	0	0	80	157	
Total ac-ft				1,169	152	0	0	0	159	311	
1/ Values not available on a daily basis.										1,480	

Table 3. Lake Davis

Daily Operation
(in acre-feet except as noted)

Capacity: 84,371 ac-ft

March 2001

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow 1/	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/	Total Outflow 1/		
				Stream-flow Maint.	Water Supply Contract	Water Right					
Feb 29	5767.14	55,906									
1	5767.12	55,842	-64	15	0	0	0	0			
2	5767.11	55,810	-32	15	0	0	0	0			
3	5767.11	55,810	0	15	0	0	0	0			
4	5767.18	56,034	224	15	0	0	0	0			
5	5767.21	56,131	97	15	0	0	0	0			
6	5767.22	56,163	32	15	0	0	0	0			
7	5767.23	56,195	32	15	0	0	0	0			
8	5767.23	56,195	0	15	0	0	0	0			
9	5767.23	56,195	0	15	0	0	0	0			
10	5767.21	56,131	-64	15	0	0	0	0			
11	5767.20	56,098	-33	15	0	0	0	0			
12	5767.20	56,098	0	15	0	0	0	0			
13	5767.20	56,098	0	15	0	0	0	0			
14	5767.20	56,098	0	15	0	0	0	0			
15	5767.13	56,002	-96	15	0	0	0	0			
16	5767.17	56,002	0	15	0	0	0	0			
17	5767.18	56,034	32	15	0	0	0	0			
18	5767.18	56,034	0	15	0	0	0	0			
19	5767.19	56,066	32	15	0	0	0	0			
20	5767.22	56,163	97	15	0	0	0	0			
21	5767.23	56,195	32	15	0	0	0	0			
22	5767.24	56,227	32	15	0	0	0	0			
23	5767.27	56,324	97	15	0	0	0	0			
24	5767.33	56,517	193	15	0	0	0	0			
25	5767.45	56,906	389	15	0	0	0	0			
26	5767.50	57,068	162	15	0	0	0	0			
27	5767.54	57,198	130	15	0	0	0	0			
28	5767.58	57,328	130	15	0	0	0	0			
29	5767.61	57,426	98	15	0	0	0	0			
30	5767.62	57,459	33	15	0	0	0	0			
31	5767.63	57,491	32	15	0	0	0	0			
Total cfs-days				---	465	0	0	0	195	660	1,459
Total ac-ft				1,585	922	0	0	0	387	1,309	2,894

1/ Values not available on a daily basis.

Table 4. Lake Oroville

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537,580 ac-ft

March 2001

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow					Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal	Evaporation 2/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 3/
Feb 28	767.07	1,842,155								
	1 767.15	1,842,952	797	4,822	0	119	0	4,941	0	5,738
	2 766.96	1,841,060	-1,892	7,803	0	48	0	7,851	0	5,959
	3 766.90	1,840,462	-598	5,961	0	0	0	5,961	35	5,328
	4 768.68	1,858,244	17,782	0	0	16	0	16	9,007	8,791
	5 769.68	1,868,288	10,044	5,787	0	16	0	5,803	13	15,834
	6 769.78	1,869,295	1,007	10,700	0	11	0	10,711	0	11,718
	7 770.43	1,875,850	6,555	3,325	0	60	0	3,385	0	9,940
	8 770.81	1,879,688	3,838	5,154	5	55	0	5,214	0	9,052
	9 771.40	1,885,657	5,969	4,620	0	22	0	4,642	0	10,611
	10 771.69	1,888,596	2,939	6,120	0	82	0	6,202	391	8,750
	11 773.25	1,904,464	15,868	0	0	77	0	77	8,926	7,019
	12 773.24	1,904,362	-102	9,764	0	122	0	9,886	1,860	7,924
	13 773.14	1,903,342	-1,020	7,395	0	94	0	7,489	0	6,469
	14 773.14	1,903,342	0	6,940	0	116	0	7,056	0	7,056
	15 773.13	1,903,240	-102	6,754	0	94	0	6,848	0	6,746
	16 773.39	1,905,893	2,653	3,289	0	44	0	3,333	221	5,765
	17 773.84	1,910,491	4,598	3,608	0	100	0	3,708	2,230	6,076
	18 775.33	1,925,772	15,281	41	0	83	0	124	9,528	5,877
	19 775.37	1,926,183	411	9,615	0	106	0	9,721	2,611	7,521
	20 776.05	1,933,188	7,005	6,203	0	128	0	6,331	3,123	10,213
	21 776.93	1,942,280	9,092	6,403	0	101	0	6,504	3,306	12,290
	22 777.59	1,949,120	6,840	6,363	0	117	0	6,480	3,267	10,053
	23 778.37	1,957,225	8,105	5,055	0	67	0	5,122	2,740	10,487
	24 779.17	1,965,563	8,338	3,650	0	73	0	3,723	355	11,706
	25 781.83	1,993,472	27,909	0	0	79	0	79	10,005	17,983
	26 782.70	2,002,662	9,190	7,293	0	109	0	7,402	0	16,592
	27 783.34	2,009,442	6,780	4,031	0	92	0	4,123	0	10,903
	28 784.15	2,018,046	8,604	2,764	6	104	0	2,874	0	11,478
	29 785.06	2,027,743	9,697	2,430	8	132	0	2,570	0	12,267
	30 786.08	2,038,652	10,909	1,152	8	150	0	1,310	0	12,219
	31 786.90	2,048,313	9,661	1,508	8	156	0	1,672	0	11,333
Total				206,158	148,550	35	2,573	0	151,158	57,618
										299,698

1/ Includes bypass flows

2/ Evaporation will be zero for days when there is precipitation or heavy overcast.

3/ Does not include pumpback.

**Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal**

Capacity: 25,120 ac-ft

Daily Operation
(in acre-feet except as noted)

March 2001

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County	Thermalito Irrigation District	Releases To River 4/	Hyatt Powerplant Pumpback	
Feb 28	23,839										
1	24,145	306	4,822	544	0	3,942	3	4	1,243	0	132
2	23,892	-253	7,803	473	0	7,803	3	4	1,253	0	534
3	23,908	16	5,961	499	0	5,334	3	4	1,253	35	185
4	23,908	0	0	511	9,530	0	3	4	1,253	9,007	226
5	23,842	-66	5,787	507	17	5,708	3	4	1,265	13	616
6	23,608	-234	10,700	507	0	9,615	3	4	1,249	0	-570
7	23,832	224	3,325	588	0	2,833	3	4	1,247	0	398
8	23,724	-108	5,154	422	0	4,634	3	4	1,251	0	208
9	23,787	63	4,620	506	0	3,939	3	4	1,255	0	138
10	23,499	-288	6,120	508	299	5,709	3	4	1,247	391	139
11	23,830	331	0	514	9,887	0	3	4	1,243	8,926	106
12	23,740	-90	9,764	504	2,628	10,150	3	4	1,247	1,860	278
13	23,411	-329	7,395	506	0	7,276	3	4	1,249	0	302
14	23,627	216	6,940	508	0	6,081	3	4	1,243	0	99
15	23,764	137	6,754	510	0	5,959	3	4	1,249	0	88
16	23,609	-155	3,289	506	248	2,797	3	4	1,257	221	84
17	23,264	-345	3,608	508	1,684	2,752	3	4	1,267	2,230	111
18	24,026	762	41	508	10,949	79	3	4	1,293	9,528	171
19	23,913	-113	9,615	502	3,290	9,782	3	4	1,245	2,611	125
20	23,577	-336	6,203	504	3,524	6,152	3	4	1,249	3,123	-36
21	24,216	639	6,403	508	3,292	5,176	3	4	1,247	3,306	172
22	23,548	-668	6,363	504	2,998	6,421	4	4	1,251	3,267	414
23	23,879	331	5,055	506	2,727	4,073	4	4	1,251	2,740	115
24	24,179	300	3,650	504	510	2,837	4	4	1,251	355	87
25	23,471	-708	0	514	9,204	0	4	4	1,247	10,005	834
26	23,862	391	7,293	502	0	6,285	4	4	1,245	0	134
27	23,398	-464	4,031	504	0	3,806	4	4	1,245	0	60
28	23,547	149	2,764	508	0	1,891	4	4	1,237	0	13
29	24,080	533	2,430	541	0	1,198	4	5	1,233	0	2
30	23,841	-239	1,152	474	0	604	4	5	1,235	0	-17
31	24,508	667	1,508	510	0	0	4	5	1,230	0	-112
Total		669	148,550	15,710	60,787	132,836	103	127	38,730	57,618	5,036

1/ Sum of Thermalito Forebay and Diversion Pool.

2/ Sum of releases from Lake Oroville through Hyatt plant, spill, and spillway leakage.

3/ Includes Bypass flows at Thermalito.

4/ The sum of the flows from fish barrier dam and the fish hatchery.

Table 6. Thermalito Afterbay

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

March 2001

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback		
Feb 28	128.47	27,257										
1	129.07	29,131	1,874	3,942	0	0	0	0	2,005	0	-63	3,248
2	130.73	34,621	5,490	7,803	0	0	0	0	2,005	0	-308	3,258
3	131.65	37,854	3,233	5,334	0	0	0	0	2,005	0	-96	3,258
4	128.42	27,104	-10,750	0	0	0	0	0	2,005	9,530	785	3,258
5	129.42	30,251	3,147	5,708	0	0	0	0	2,003	17	-541	3,268
6	131.63	37,782	7,531	9,615	0	0	0	0	2,003	0	-81	3,252
7	131.87	38,647	865	2,833	0	0	0	0	2,003	0	35	3,250
8	132.53	41,073	2,426	4,634	0	0	0	0	1,984	0	-224	3,235
9	132.99	42,804	1,731	3,939	0	0	0	0	2,003	0	-205	3,258
10	133.87	46,208	3,404	5,709	0	0	0	0	2,003	299	-3	3,250
11	130.66	34,380	-11,828	0	0	0	0	0	2,003	9,887	62	3,246
12	132.12	39,558	5,178	10,150	0	0	0	0	2,003	2,628	-341	3,250
13	133.42	44,452	4,894	7,276	0	0	0	0	2,003	0	-379	3,252
14	134.39	48,270	3,818	6,081	0	0	0	0	2,003	0	-260	3,246
15	135.31	52,016	3,746	5,959	0	0	0	0	2,103	0	-110	3,352
16	135.33	52,098	82	2,797	0	0	0	0	2,261	248	-206	3,518
17	135.03	50,862	-1,236	2,752	0	0	0	0	2,261	1,684	-43	3,528
18	131.60	37,675	-13,187	79	0	0	0	0	2,261	10,949	-56	3,554
19	132.76	41,934	4,259	9,782	0	0	0	0	2,261	3,290	28	3,506
20	132.83	42,198	264	6,152	0	0	0	0	2,261	3,524	-103	3,510
21	132.72	41,784	-414	5,176	0	0	0	0	2,261	3,292	-37	3,508
22	132.98	42,766	982	6,421	0	0	0	0	2,261	2,998	-180	3,512
23	132.61	41,372	-1,394	4,073	0	0	0	0	2,261	2,727	-479	3,512
24	132.65	41,521	149	2,837	0	0	0	0	2,261	510	83	3,512
25	129.02	28,972	-12,549	0	0	0	0	0	2,241	9,204	-1,104	3,488
26	130.17	32,719	3,747	6,285	0	0	0	0	2,261	0	-277	3,506
27	130.59	34,140	1,421	3,806	0	0	0	0	2,241	0	-144	3,486
28	130.47	33,731	-409	1,891	0	0	0	0	2,241	0	-59	3,478
29	130.06	32,351	-1,380	1,198	0	0	0	0	2,261	0	-317	3,494
30	129.59	30,802	-1,549	604	0	0	0	0	2,241	0	88	3,476
31	128.94	28,720	-2,082	0	0	0	0	0	2,241	0	159	3,471
Total		1,463	132,836	0	0	0	0	0	66,210	60,787	-4,376	104,940

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

Table 7. Oroville-Thermalito Complex

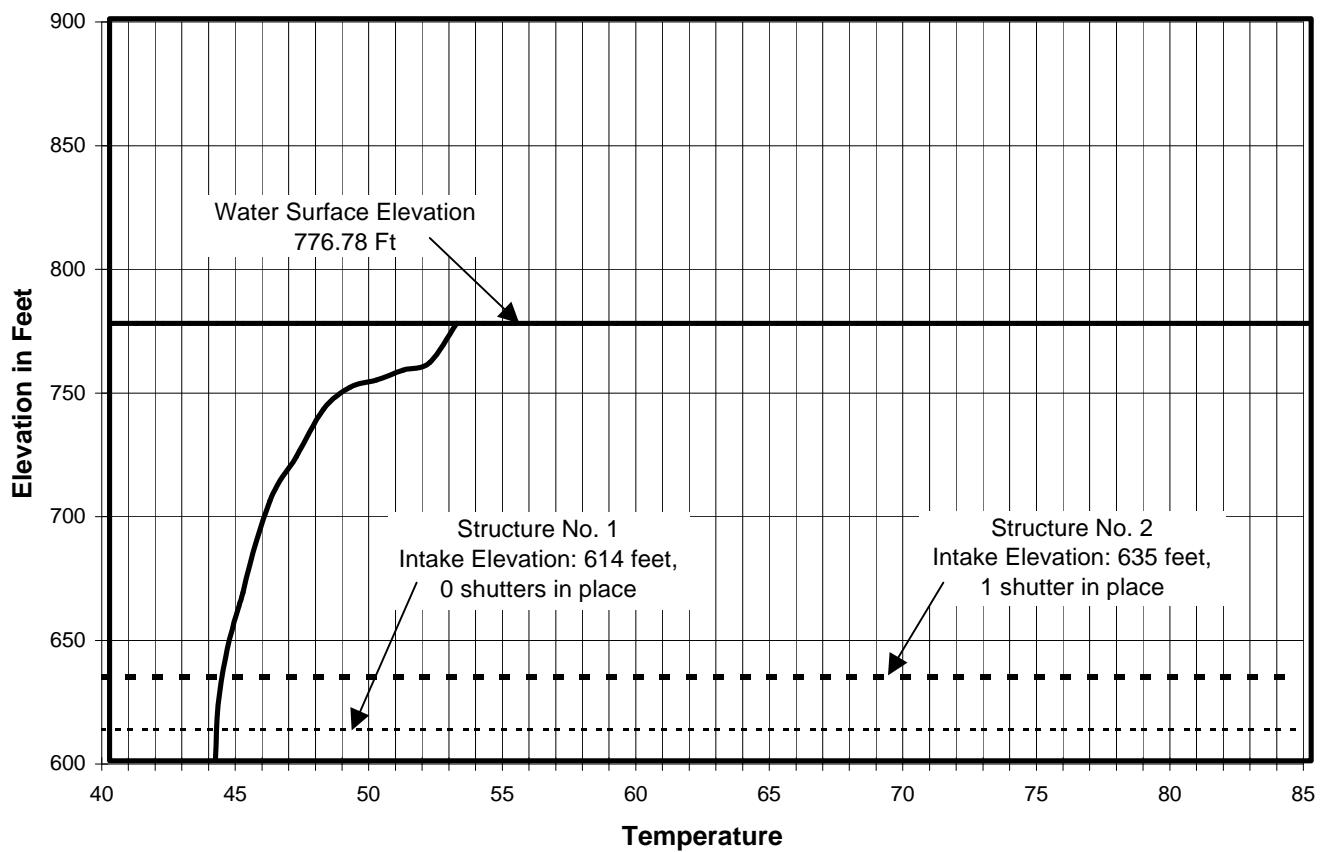
Water Temperature Data

(in degrees Fahrenheit)

March 2001

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	49	47
2	49	47
3	49	46
4	49	47
5	49	47
6	50	47
7	51	47
8	51	47
9	52	47
10	52	47
11	53	48
12	54	50
13	54	47
14	55	47
15	54	47
16	55	47
17	55	47
18	56	49
19	57	51
20	57	49
21	58	49
22	57	49
23	58	49
24	58	48
25	60	52
26	61	53
27	61	49
28	62	49
29	63	50
30	63	50
31	63	50

**Lake Oroville Temperature Profile
on March 21, 2001**



Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 8. North Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

March 2001

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries			
	Beginning and Ending		Structure			Entitlement		Ex-change	
	No.	Structure	Mile	M & I		Benicia			
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	1,051	109	319	28	
		Travis Surge Tank	8.78						
			8.80	Solano County Water Agency Travis Turnout	109				
			10.54	Solano County Water Agency Fairfield / Vacaville 24"	0				
				Solano County Water Agency Fairfield / Vacaville 42"	0				
		2	17.00	Solano County Water Agency Central Solano	Stub				
		Cordelia Forebay	21.23						
3A	2	Cordelia Pumping Plant & Cordelia Spillway	21.30		879	485	47		
			21.33	Solano County Water Agency Vallejo	28				
				Solano County Water Agency Benicia	319				
		Cordelia Surge Tank	23.33	Napa Pipeline					
		Creston Surge Tank Connection	25.65	Napa Pipeline					
			26.95	Napa County Flood Control & WCD American Canyon 2	0				
			27.27	Napa County Flood Control & WCD American Canyon 3	0				
		Napa Terminal Tank	27.58	City of Napa	485				
			27.60	Napa County Flood Control & WCD American Canyon 1	47				

Table 9. Delta Field Division Plant Data

(in acre-feet)

March 2001

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		Gravity Flow Through Plant Into Aqueduct
			Total	SWP		Into Lake	Into Aqueduct	
1	44	35	9,388	9,388	203	0	0	0
2	52	50	9,787	9,787	157	0	0	0
3	46	37	9,350	9,350	171	0	0	0
4	47	43	9,861	9,861	170	0	0	0
5	55	49	11,362	11,362	172	4	0	0
6	52	43	14,980	14,980	192	28	0	0
7	39	37	7,920	7,920	188	0	0	0
8	56	48	7,272	7,272	215	0	0	0
9	46	37	8,225	8,225	273	0	0	0
10	50	46	10,572	10,572	303	0	0	0
11	58	48	10,883	10,883	314	0	0	0
12	45	45	16,411	16,411	263	0	0	41
13	54	45	15,391	15,391	169	0	0	141
14	56	48	15,578	15,578	90	0	0	215
15	53	49	15,151	15,151	247	0	0	92
16	57	51	13,209	13,209	289	0	0	25
17	52	45	13,152	13,152	332	0	0	0
18	48	37	12,855	12,855	344	0	0	0
19	5	7	13,018	13,018	341	0	0	0
20	0	0	13,140	13,140	320	0	0	9
21	0	1	13,033	13,033	367	0	0	0
22	16	0	12,994	12,994	367	0	0	0
23	0	0	12,950	12,950	367	0	0	0
24	9	1	12,686	12,686	369	0	0	0
25	22	0	13,387	13,387	365	0	0	0
26	0	4	11,853	11,853	368	0	0	0
27	0	0	11,335	11,335	377	0	0	0
28	0	0	10,853	10,853	390	0	0	0
29	29	20	9,540	9,540	408	0	0	0
30	26	25	7,451	7,451	408	0	0	0
31	34	28	7,164	7,164	407	0	0	0
Total	1,051	879	360,751	360,751	8,946	32	0	523

Table 10. Clifton Court Forebay

Daily Operation of Gates

March 2001

Date	Time								Amount of inflow in Acre-Feet
	Opened	Closed	Opened	Closed	Opened	Closed	Opened	Closed	
1	---	7:38	10:50	15:30	20:30	---			9,905
2	---	8:27	11:36	---					9,615
3	---	9:37	12:33	16:00	22:14	---			8,984
4	---	10:56	13:39	17:00	23:20	---			9,904
5	---	12:13							10,199
6	0:35	13:17	15:53	21:01					15,669
7	1:20	10:30	12:00	13:00					7,920
8	2:01	9:45	14:17	15:00					7,918
9	2:46	10:27	13:45	15:06	17:42	19:37			7,902
10	0:01	0:28	3:28	12:15	15:00	16:45			10,895
11	0:01	1:10	8:22	21:00					10,862
12	0:01	1:52	8:58						16,799
13	---	6:32	9:35	15:17	18:17	---			15,520
14	---	7:17	10:14	16:17	19:23	---			14,737
15	---	8:09	10:57	17:00	20:19	---			14,304
16	---	9:15	11:51	16:07	21:29	---			13,229
17	---	10:34	12:51	16:55	22:30	---			12,376
18	---	11:50	13:50	18:18	23:39	---			12,896
19	---	12:50	14:56	18:42					13,050
20	0:31	13:42	15:50	19:26					13,245
21	1:13	14:25	16:37	19:50					13,240
22	1:49	15:01	17:22	19:10					13,248
23	2:21	11:32	12:51	15:56	18:03	20:10			13,239
24	2:51	11:45	13:27	16:08	18:45	21:50			13,234
25	0:01	0:23	7:25	21:47					13,228
26	0:01	0:50	3:50	4:50	7:50	---			13,060
27	---	0:30	2:32	5:20	8:16	13:24	16:54	---	11,502
28	---	1:22	2:30	5:52	8:47	13:28	17:36	23:20	10,708
29	0:05	6:27	9:32	13:49	18:30	---			9,503
30	---	7:13	10:04	13:33					7,533
31	0:05	8:08	10:58	13:15					7,135
Total inflow for the month in AF:									361,559

Table 11. Governor Edmund G. Brown California Aqueduct
 Delta Field Division, Monthly Deliveries

(In acre-feet)

March 2001

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Entitlement	USBR	Misc.	Loan Water	Carryover Ent.		
	No.	Structure	Mile									
1	Banks Pumping Plant	3.32			360,751	47	11	0	0	0		
	South Bay Pumping Plant	4.49	Bethany Reservoir Inlet		8,946							
	Check No. 1	5.95										
	Check No. 2	12.01										
	3	12.47	Musco Olive		47							
		Check No. 3	18.29									
	4	22.16	Tracy Golf & Country Club		11							
		Check No. 4	23.99									
	5	Check No. 5	29.73			3	11	29	0	0		
	6	Check No. 6	34.24									
	7	35.22	Turlock Fruit Company Inflow		0							
		Check No. 7	39.91									
	8	42.46	Oak Flat Water District-A		3							
		43.81	Oak Flat Water District-B		11							
		44.64	Oak Flat Water District-C		29							
		Check No. 8	45.97									
2B	9	46.18	Oak Flat Water District-D		0	43	0	0	0	0		
			Oak Flat Totals:		43							
	Check No. 9	51.30										
	10	Check No. 10	56.86									
	11	Check No. 11	61.40									
	12	66.14	Veteran's Cemetery		1							
		Check No. 12	66.71		338,686							

Table 12. South Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

March 2001

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries				
	Beginning and Ending		Entitlement			Extended Carryover Entitlement	Local	Recreation		
	No.	Structure	Mile							
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	8,946	1	830	43		
			3.17	Granite - Vasco Rd. (Temp.)	0					
			3.18	Oakland Scavenger Zone 7	1					
		Check No. 1	3.91							
	2	Check No. 2	5.21							
2	3		7.21	Zone 7 Altamont	0	3	13	1		
		Check No. 3	9.49	Zone 7 Patterson Inflow Exchange	830					
				Zone 7 Patterson Project Water	0					
	4	Check No. 4	10.68							
4	6	Check No. 5	12.29			2	524	524		
			13.55	Zone 7 Wente #1 Inflow Exchange	43					
			14.16	Zone 7 Wente #2	0					
			14.31	Ising Inflow Exchange	3					
		Check No. 6	14.65							
			14.78	Zone 7 Arroyo Mocho	0					
		Check No. 7	16.38							
			16.57	Zone 7 Wente #3 Inflow Exchange	13					
			16.69	Zone 7 Norman Nursery Inflow Exchange	1					
	8		16.70	Zone 7 Concannon Inflow Exchange	2					
5		Del Valle Branch Pipeline Junction	18.63	(Pumped into Lake Del Valle)	32	64	348	76		
				(Flow into South Bay Aqueduct)	524					
		Deliveries through Del Valle Branch Pipleline		Arroyo Valle #1 & #2 Project Water	0					
				Arroyo Valle #1 & #2 Inflow Exchange	64					
				Lake Del Valle Recreation	0					
				Zone 7 Wente #5 Inflow Exchange	13					
				So. Livermore Project	0					
		La Costa Tunnel	19.20	So. Livermore Inflow Released	524					
				So. Livermore Inflow Exchanged	348					
			19.21	Zone 7 - Kalthrof Detjens	76					
7		La Costa Tunnel	22.50	ACWD Vallecitos Project Water	0					
			25.97	City of San Francisco San Antonio	0					
8	Mission Tunnel		ACWD - Bayside 1 & 2 Project Water: Inflow Released Stored Exchange:		827	827	687	687		
					687					
9	Santa Clara Pipeline	35.86		S.C.V.W.D. Meter	5,986					

Table 13. Lake Del Valle

Daily Operation

Capacity: 77,106 ac-ft

March 2001

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct	Recreation Deliveries 2/	Evaporation	Total Outflow	
Feb 28	688.87	30,704									
1	689.02	30,794	90	98	0	0	0	0	8	8	0.00
2	689.19	30,895	101	106	0	0	0	0	5	5	0.46
3	689.33	30,979	84	86	0	0	0	0	2	2	0.02
4	689.96	31,357	378	380	0	0	0	0	2	2	0.25
5	693.40	33,482	2,125	2,123	4	0	0	0	2	2	0.59
6	694.44	34,143	661	635	28	0	0	0	2	2	0.04
7	694.89	34,431	288	291	0	0	0	0	3	3	0.00
8	695.16	34,605	174	179	0	0	0	0	5	5	0.00
9	695.36	34,734	129	133	0	0	0	0	4	4	0.00
10	695.50	34,825	91	96	0	0	0	0	5	5	0.00
11	695.62	34,903	78	81	0	0	0	0	3	3	0.00
12	695.66	34,929	26	71	0	0	41	0	4	45	0.00
13	695.54	34,851	-78	67	0	0	141	0	4	145	0.00
14	695.28	34,683	-168	49	0	0	215	0	2	217	0.00
15	695.21	34,637	-46	49	0	0	92	0	3	95	0.00
16	695.22	34,644	7	37	0	0	25	0	5	30	0.00
17	695.25	34,663	19	23	0	0	0	0	4	4	0.00
18	695.32	34,708	45	50	0	0	0	0	5	5	0.00
19	695.35	34,728	20	25	0	0	0	0	5	5	0.00
20	695.37	34,741	13	28	0	0	9	0	6	15	0.00
21	695.42	34,773	32	38	0	0	0	0	6	6	0.00
22	695.45	34,793	20	24	0	0	0	0	4	4	0.00
23	695.49	34,818	25	29	0	0	0	0	4	4	0.00
24	695.51	34,831	13	19	0	0	0	1	5	6	0.00
25	695.56	34,864	33	39	0	0	0	1	5	6	0.24
26	695.58	34,877	13	19	0	0	0	1	5	6	0.02
27	695.60	34,890	13	23	0	0	0	1	9	10	0.00
28	695.61	34,896	6	12	0	0	0	1	5	6	0.00
29	695.64	34,916	20	27	0	0	0	1	6	7	0.00
30	695.65	34,922	6	14	0	0	0	1	7	8	0.00
31	695.66	34,929	7	16	0	0	0	1	8	9	0.00
Total				4,225	4,867	32	0	523	8	143	674
											1.62

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ To East Bay Regional Park District.

NR=No Records

Table 14. Consolidated State-Federal O'Neill Forebay

Daily Operations

March 2001

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 56,430 Acre-feet

Date	Water Surface Elevation (in feet)	Storage (ac-ft)	Storage Change	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)	
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliveries 2/		
Feb 28	221.54	47,178											
1	222.39	49,421	2,243	0	2,249	0	4,557	0	5,390	1,038	20	773	
2	222.66	50,139	718	0	2,348	0	4,621	0	5,759	1,481	2	635	
3	223.07	51,233	1,094	0	2,502	0	4,443	0	5,906	1,047	3	563	
4	221.43	46,889	-4,344	0	2,691	0	4,759	0	9,070	1,818	8	1,256	
5	223.49	52,357	5,468	0	3,261	0	5,671	0	6,620	561	10	1,016	
6	223.90	53,458	1,101	0	2,048	0	6,737	0	8,870	706	9	1,355	
7	221.59	47,309	-6,149	0	0	0	4,281	0	7,592	1,063	6	1,280	
8	220.81	45,263	-2,046	0	367	0	3,321	0	4,648	975	5	908	
9	221.59	47,309	2,046	0	772	0	3,696	0	2,840	1,248	5	657	
10	220.82	45,289	-2,020	0	279	0	4,717	85	5,201	1,432	5	709	
11	220.78	45,184	-105	0	0	0	5,384	152	4,567	1,312	7	601	
12	220.55	44,583	-601	0	0	0	7,150	252	6,764	1,416	15	994	
13	220.66	44,870	287	0	0	0	7,768	152	6,965	1,561	6	1,061	
14	220.91	45,525	655	0	0	0	7,581	236	6,021	1,843	6	855	
15	221.15	46,154	629	0	0	0	7,318	147	5,824	1,791	4	765	
16	221.02	45,813	-341	0	0	0	6,258	57	4,718	2,411	5	761	
17	221.43	46,889	1,076	0	0	0	6,356	0	3,807	2,573	4	570	
18	218.63	39,649	-7,240	0	0	0	6,236	0	5,539	5,038	10	701	
19	218.53	39,398	-251	0	0	0	6,201	0	2,099	4,186	11	-32	
20	218.87	40,255	857	0	0	525	6,349	163	1,359	5,220	12	312	
21	219.86	42,790	2,535	0	0	1,575	6,439	379	969	5,884	11	507	
22	218.68	39,775	-3,015	0	0	0	5,960	627	0	7,329	12	488	
23	220.00	43,152	3,377	0	216	3,507	5,940	365	0	7,898	12	315	
24	220.18	43,619	467	0	417	967	6,068	0	0	7,390	6	179	
25	219.32	41,400	-2,219	0	598	0	6,502	0	0	8,530	7	318	
26	218.98	40,533	-867	0	615	612	5,155	0	0	7,017	4	202	
27	217.98	38,022	-2,511	0	471	0	5,413	0	2,588	5,197	9	644	
28	218.67	39,750	1,728	0	785	0	4,991	0	1,219	3,936	9	259	
29	219.29	41,323	1,573	0	1,057	0	4,385	0	0	4,902	8	261	
30	218.47	39,246	-2,077	0	1,396	0	3,275	0	0	5,930	9	221	
31	218.92	40,381	1,135	0	1,836	0	3,221	0	0	4,614	4	133	
Total				-6,797	0	23,908	7,186	170,753	2,615	114,335	107,347	244	19,267
Mean cfs				---	0	771	232	5,508	84	3,688	3,463	8	622
Acre-feet				-6,797	0	47,423	14,253	338,686	5,184	226,786	212,923	483	38,217

1/ Pump-in located at Mile 79.67R.

2/ Includes 94 AF delivered to DFG at O'Neill Forebay.

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations

March 2001

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 2,027,835 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)	Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)	
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.		
Feb 28	524.47	1,797,186							
1	525.23	1,806,455	9,269	5,390	0	31	0	-686	
2	526.04	1,816,352	9,897	5,759	0	159	0	-610	
3	526.92	1,827,126	10,774	5,906	0	151	0	-323	
4	528.25	1,843,450	16,324	9,070	0	156	0	-684	
5	529.19	1,855,018	11,568	6,620	0	168	0	-620	
6	530.39	1,869,822	14,804	8,870	0	134	0	-1,272	
7	531.40	1,882,313	12,491	7,592	0	130	0	-1,165	
8	532.02	1,889,996	7,683	4,648	0	150	0	-625	
9	532.44	1,895,206	5,210	2,840	0	156	0	-57	
10	533.18	1,904,398	9,192	5,201	0	77	0	-490	
11	533.81	1,912,236	7,838	4,567	0	83	0	-532	
12	534.73	1,923,702	11,466	6,764	0	122	0	-861	
13	535.68	1,935,567	11,865	6,965	0	109	0	-874	
14	536.53	1,946,204	10,637	6,021	0	102	0	-556	
15	537.35	1,956,486	10,282	5,824	0	104	0	-536	
16	538.00	1,964,649	8,163	4,718	0	120	0	-483	
17	538.52	1,971,188	6,539	3,807	0	139	0	-371	
18	539.30	1,981,010	9,822	5,539	0	150	0	-437	
19	539.60	1,984,793	3,783	2,099	0	152	0	-40	
20	539.70	1,986,054	1,261	1,359	525	155	0	-43	
21	539.63	1,985,171	-883	969	1,575	166	0	327	
22	539.60	1,984,793	-378	0	0	55	0	-136	
23	539.05	1,977,860	-6,933	0	3,507	164	0	176	
24	538.86	1,975,467	-2,393	0	967	164	0	-75	
25	538.85	1,975,341	-126	0	0	154	0	90	
26	538.71	1,973,579	-1,762	0	612	166	0	-110	
27	538.97	1,976,852	3,273	2,588	0	185	0	-753	
28	539.13	1,978,868	2,016	1,219	0	189	0	-14	
29	539.13	1,978,868	0	0	0	201	0	201	
30	539.10	1,978,490	-378	0	0	161	0	-30	
31	539.06	1,977,986	-504	0	0	179	0	-75	
Total				180,800	114,335	7,186	4,332	0	-11,664
Mean cfs				---	3,688	232	140	0	-376
Acre-feet				180,800	226,786	14,253	8,593	0	-23,140

1/ Pacheco Tunnel, San Felipe Split; Santa Clara: 8,057 AF, San Benito: 536 AF.

Table 16. San Luis Field Division Plant Data

(in acre-feet)

March 2001

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant				San Felipe Project
	Total Pumping	SWP Pumping 1/ 2/	Total Generation	SWP Generation 1/ 2/	Total Pumping	SWP Pumping 1/ 2/	Federal
1	2,059	245	0	0	10,691	6,921	61
2	2,938	1,895	0	0	11,422	7,926	315
3	2,077	1,068	0	0	11,715	8,353	299
4	3,606	2,458	0	0	17,990	9,108	310
5	1,113	349	0	0	13,131	10,147	334
6	1,401	407	0	0	17,594	14,303	266
7	2,109	1,097	0	0	15,058	11,924	257
8	1,933	878	0	0	9,220	6,755	297
9	2,476	1,376	0	0	5,633	5,633	309
10	2,840	1,808	0	0	10,316	10,316	152
11	2,602	1,559	0	0	9,058	9,058	165
12	2,809	1,807	0	0	13,417	13,417	242
13	3,097	2,105	0	0	13,816	13,816	216
14	3,655	3,067	0	0	11,943	11,943	203
15	3,553	2,942	0	0	11,551	11,551	206
16	4,782	4,168	0	0	9,359	9,359	239
17	5,104	4,495	0	0	7,551	7,551	276
18	9,993	9,459	0	0	10,987	10,987	297
19	8,302	7,717	0	0	4,164	4,164	301
20	10,353	9,767	1,041	-142	2,696	2,696	307
21	11,670	11,064	3,124	-139	1,923	1,923	330
22	14,537	12,724	0	0	0	0	110
23	15,665	13,813	6,956	3,304	0	0	325
24	14,659	12,818	1,918	1,918	0	0	326
25	16,919	15,124	0	0	0	0	305
26	13,918	11,542	1,214	1,214	0	0	330
27	10,309	7,904	0	0	5,134	5,134	367
28	7,807	5,483	0	0	2,417	2,417	375
29	9,724	7,350	0	0	0	0	399
30	11,762	7,808	0	0	0	0	319
31	9,151	5,295	0	0	0	0	355
Total	212,923	169,592	14,253	6,155	226,786	195,402	8,593

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations

March 2001

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 34,560 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Feb 28	326.64	20,035					
1	326.70	20,063	28	14	0	0	0
2	326.77	20,095	32	16	0	0	0
3	326.83	20,123	28	14	0	0	0
4	326.89	20,151	28	14	0	0	0
5	327.84	20,594	443	290	0	67	1
6	327.38	20,379	-215	92	0	200	-1
7	327.04	20,220	-159	45	0	125	0
8	326.95	20,179	-41	29	0	50	1
9	326.92	20,165	-14	22	0	29	0
10	327.01	20,206	41	21	0	0	-1
11	327.09	20,244	38	19	0	0	0
12	327.15	20,272	28	14	0	0	0
13	327.20	20,295	23	12	0	0	-1
14	327.25	20,318	23	12	0	0	-1
15	327.29	20,337	19	10	0	0	-1
16	327.32	20,351	14	7	0	0	0
17	327.35	20,365	14	7	0	0	0
18	327.39	20,384	19	10	0	0	-1
19	327.42	20,398	14	7	0	0	0
20	327.44	20,407	9	5	0	0	-1
21	327.46	20,416	9	5	0	0	-1
22	327.46	20,416	0	0	0	0	0
23	327.49	20,430	14	7	0	0	0
24	327.50	20,435	5	3	0	0	-1
25	327.50	20,435	0	0	0	0	0
26	327.51	20,440	5	3	0	0	-1
27	327.52	20,444	4	2	0	0	0
28	327.53	20,449	5	3	0	0	-1
29	327.53	20,449	0	0	0	0	0
30	327.53	20,449	0	0	0	0	0
31	327.54	20,454	5	3	0	0	-1
Total			419	686	0	471	-10
Mean cfs			---	22	0	15	---
Acre-feet			419	1,361	0	934	-10

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

March 2001

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 5,580 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft) 1/	Storage Change (ac-ft) 1/	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft) 1/
					Spill	Outlet	
Feb 28	602.65	829					
1	Not Observed			2	0	2	
2	Not Observed			2	0	2	
3	Not Observed			2	0	2	
4	602.65	829	0	2	0	2	
5	603.05	853	24	40	0	29	
6	602.80	838	-15	10	0	18	
7	602.70	832	-6	8	0	11	
8	602.65	829	-3	6	0	8	
9	602.65	829	0	6	0	6	
10	Not Observed			6	0	6	
11	Not Observed			6	0	6	
12	Not Observed			6	0	6	
13	Not Observed			6	0	6	
14	Not Observed			6	0	6	
15	Not Observed			6	0	6	
16	602.65	829	0	2	0	2	
17	Not Observed			2	0	2	
18	Not Observed			2	0	2	
19	Not Observed			2	0	2	
20	Not Observed			2	0	2	
21	Not Observed			2	0	2	
22	Not Observed			2	0	2	
23	602.65	829	0	2	0	2	
24	Not Observed			2	0	2	
25	Not Observed			2	0	2	
26	602.65	829	0	2	0	2	
27	Not Observed			2	0	2	
28	Not Observed			2	0	2	
29	Not Observed			2	0	2	
30	Not Observed			2	0	2	
31	602.65	829	0	2	0	2	
Total			0	146	0	148	---
Mean cfs			---	5	0	5	---
Acre-feet			0	290	0	294	4

1/ Not available on a daily basis

Table 19a. Governor Edmund G. Brown California Aqueduct
San Luis Field Division, Monthly Deliveries

(In acre-feet)

March 2001

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending					USBR	Transfer	DWR Recreation	USBR Recreation		
	No.	Structure	Mile								
2B	12	Check No. 12	66.71		338,686						
3	13	O'Neill Forebay and San Luis Reservoir	70.85	Department of Parks and Recreation							
		Outlet Check No. 13		Department of Fish & Game	94			52	42		
			70.91								
			Thru	San Luis Water District	389	389					
			85.08	(Floodwater Inflow)	0						
		Dos Amigos Pumping Plant	86.73	Reach 3 Subtotal:	483	389	0	52	42		
4	14		89.03								
			Thru	San Luis Water District	2,482	2,482					
			94.06								
			89.66								
			Thru	Pacheco Water District	531	531					
			89.67								
			89.68	Panoche Water District	4		4				
			89.70	City of Dos Palos	77		77				
		Check No. 14	95.06								
			98.15								
4	15		Thru	San Luis Water District	277	277					
			104.20								
			96.15								
			Thru	Panoche Water District	1,699	1,699					
			102.64	(Floodwater Inflow)	0						
			102.64	Broadview Water District	1		1				
			105.22								
			Thru	Westlands Water District	6,704	6,704					
			108.64								
		Check No.15	108.50								
				Pacheco Water District Total:	531	531	0	0	0		
				Broadview Water District Total:	1	1	0	0	0		
				City of Dos Palos Total:	77	77	0	0	0		
				SLWD Reach 4 Subtotal:	2,759	2,759	0	0	0		
				Panoche Water District Total:	1,703	1,703	0	0	0		
				SLWD Total:	3,148	3,148	0	0	0		
				Westlands WD Reach 4 Subtotal:	6,704	6,704	0	0	0		

Table 19b. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

March 2001

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending					USBR	Transfer	DWR Recreation	USBR Recreation				
	No.	Structure	Mile										
5	16		110.52	(Reverse flow, Kings River)	0	7,527			1				
			Thru	Westlands Water District	7,527								
			122.05	Department of Fish and Game	1								
		Check No. 16	122.07										
	17		124.18	Westlands Water District	4,609	4,609							
			Thru										
		Check No. 17	132.74	(Floodwater Inflow)	268								
	18		132.95			7,482							
			133.81	Westlands Water District	7,482								
			Thru										
		Pleasant Valley Pumping Plant	142.61	(Floodwater Inflow)	1,802	7,414							
			143.16	Westlands Water District	7,414								
			143.16	City of Coalinga	216								
		Check No. 18	143.23										
				Westlands WD Reach 5 Subtotal:	27,032	27,032	0	0	0				
6	19		145.26	Westlands Water District	9,696	9,696							
			Thru										
			151.19	(Floodwater Inflow)	10								
		Check No. 19	155.64										
				Westlands WD Reach 6 Subtotal:	9,696	9,696	0	0	0				
7	20		156.34	City of Huron	62	62							
			156.40	Westlands Water District	6,959								
			Thru										
			163.69										
		Check No. 20	164.69										
	21		164.79	City of Avenal	179	179							
			167.04	Westlands Water District	2,644								
			Thru										
			171.67	(Floodwater Inflow)	26								
		Check No. 21	172.40		151,673								
				Reach 7 Total:	9,844	9,844	0	0	0				
				Westlands WD Total:	53,035	53,035	0	0	0				
				City of Coalinga Total:	216	216	0	0	0				
				City of Huron Total:	62	62	0	0	0				
				City of Avenal Total:	179	179	0	0	0				
				Phase I Water Total:	0	0	0	0	0				
				Total San Luis Field Division Deliveries:	59,047	58,952	0	52	43				

Table 20. Consolidated State-Federal San Luis Canal 1/

Daily Operations
March 2001

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non- Project 2/	Dos Amigos Pumping Plant	Pools 14 & 15 3/	Pool 15	Pools 15 thru 21 4/	Flow Past Check 21	
Feb 28	27,798								
1	27,397	-401	0	1,038	65	21	569	489	-96
2	27,915	518	0	1,481	25	33	596	455	-111
3	27,705	-210	0	1,047	27	33	685	455	47
4	27,618	-87	0	1,818	35	35	585	1,428	221
5	28,002	384	561	561	81	31	648	763	594
6	28,269	267	250	706	28	17	575	512	311
7	27,726	-543	95	1,063	28	14	543	1,347	500
8	27,173	-553	65	975	27	22	615	1,118	463
9	26,901	-272	35	1,248	28	23	589	1,065	285
10	27,271	370	18	1,432	17	18	673	999	444
11	27,506	235	11	1,312	21	21	764	938	540
12	27,269	-237	10	1,416	34	11	889	1,137	525
13	27,673	404	10	1,561	29	21	676	828	187
14	27,382	-291	6	1,843	30	21	781	1,278	114
15	26,843	-539	1	1,791	64	23	846	1,252	122
16	27,146	303	0	2,411	66	23	764	1,351	-55
17	26,473	-673	0	2,573	47	25	878	1,963	1
18	27,573	1,100	0	5,038	49	35	976	3,348	-76
19	27,354	-219	0	4,186	44	35	836	3,249	-133
20	27,399	45	0	5,220	88	30	925	3,769	-386
21	26,612	-787	0	5,884	89	35	1,107	4,560	-490
22	27,367	755	0	7,329	99	24	1,125	5,134	-566
23	28,865	1,498	0	7,898	80	25	1,254	5,601	-183
24	28,836	-29	0	7,390	48	37	1,094	6,872	646
25	28,396	-440	0	8,530	60	39	1,233	6,857	-564
26	29,107	711	0	7,017	76	35	1,253	4,980	-314
27	29,901	794	0	5,197	96	33	1,027	2,821	-820
28	27,923	-1,978	0	3,936	97	39	1,248	3,150	-399
29	27,980	57	0	4,902	75	35	1,034	3,119	-611
30	29,185	1,205	0	5,930	66	35	1,137	3,489	-595
31	30,439	1,254	0	4,614	79	30	1,044	2,140	-689
Total		2,641	1,062	107,347	1,698	859	26,969	76,467	-1,085
Mean cfs		---	38	3,463	55	28	870	2,467	-35
Acre-feet		2,641	2,106	212,923	3,367	1,703	53,494	151,673	-2,151

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Flood Water (268 AF @ Pool 7, 1,802 AF @ Pool 18, 10 AF @ Pool 19, 26 AF @ Pool 21) is included in the gain or loss.

3/ Includes 530 AF AG & 1 AF M&I to Pacheco W.D. and 77 AF to the City of Dos Palos.

4/ Includes 62 AF to the City of Huron, 179 AF to the City of Avenal, 216 AF to the City of Coalinga, 0 AF Phase I Water, 1 AF of F&G @ WWD Lateral 4L, and 1 AF to Broadview W.D.

Table 21. San Joaquin Field Division Plant Data

(in acre-feet)

March 2001

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	58	58	42	41	44	1,687	1,484	1,439	1,465
2	40	40	38	35	39	1,534	1,445	1,467	1,590
3	79	79	49	44	50	1,489	1,393	1,449	1,361
4	52	52	37	35	39	2,763	2,697	2,684	2,618
5	35	35	27	25	29	1,543	1,515	1,433	1,451
6	34	34	34	34	34	1,441	1,491	1,479	1,448
7	38	38	44	40	44	2,813	2,726	2,429	2,446
8	44	44	38	35	39	2,209	2,296	2,081	2,133
9	44	44	41	40	44	1,971	1,770	1,658	1,664
10	34	34	40	37	41	1,718	1,631	1,478	1,456
11	35	35	38	34	39	1,868	1,754	1,739	1,718
12	44	44	34	32	36	2,059	1,950	1,902	1,925
13	40	40	42	39	43	1,634	1,288	1,291	1,315
14	44	44	40	39	41	2,055	1,731	1,608	1,541
15	81	81	59	54	59	1,695	1,501	1,485	1,462
16	79	79	53	52	55	2,107	1,917	1,813	1,797
17	86	86	39	35	41	2,179	1,862	1,915	1,882
18	105	105	43	38	45	4,629	4,509	4,446	4,324
19	202	202	40	40	42	2,705	2,684	2,548	2,479
20	200	200	33	33	36	2,716	2,160	2,093	2,059
21	254	254	49	46	44	2,834	2,457	2,307	2,400
22	320	320	62	58	64	3,675	3,426	3,236	3,153
23	325	325	62	57	63	3,723	3,486	3,305	3,277
24	290	290	51	48	52	3,880	3,934	3,866	3,717
25	113	113	38	35	39	6,486	6,308	6,100	6,043
26	70	70	40	36	41	3,389	3,429	3,268	3,277
27	246	246	46	45	48	4,375	4,073	4,031	3,967
28	274	274	42	40	46	4,310	4,275	4,038	4,082
29	240	240	62	58	63	4,717	4,345	4,190	4,077
30	160	160	57	54	58	4,609	4,411	4,307	4,279
31	126	126	54	51	54	3,248	3,054	3,177	3,135
Total	3,792	3,792	1,374	1,290	1,412	88,061	83,002	80,262	79,541

Table 22a. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

March 2001

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending					Carry-over Ent.	Extended Carry-over	Inter-ruptible	West-lands Xchg	Local 1/	Other		
	No.	Structure	Mile										
7	21	Check No. 21	172.40		151,673								
8C	22		172.66	Empire West Side Irrig. Dist.									
				TL - A	1,061	308					2/ 753		
				County of Kings									
				TL - A	6,434	4,045	2,039		350				
			175.18	TLBWSD TL-A	0								
				DRWD - 1	40	40							
				DRWD - 1B	136	136							
				TLBWSD - C	0								
				DRWD - 1A	320	320							
				DRWD - 2	2,956	2,956							
8D			183.00	Tulare Lake Basin WSD									
				TL - B	12,400		6,716	5,010			3/ 674		
31A			184.63	Coastal Branch	3,792								
8D			184.78	Dudley Ridge Water Dist.									
				DRWD - 3	157	157							
				Dudley Ridge Reach 8D Total:	3,609	0	0	0	0	0	0		
				Tulare Lake Basin WSD Total:	18,834	0	4,045	8,755	5,360	0	674		
		Check No. 22	184.82										
9	23		189.69	Kern County Water Agency									
				Lost Hills Water Dist. - 1	657	617					40		
			191.18	Kern County Water Agency									
				Lost Hills Water Dist. - 2	148	125					23		
			194.22	Kern County Water Agency									
				Lost Hills Water Dist. - 3	302	263					39		
			196.40	Kern County Water Agency									
				Berrenda Mesa - 2	80						80		
10A	24		196.75	Kern County Water Agency									
				Lost Hills Water Dist. - 4	401	401							
				K.C.W.A. Reach 9 Subtotal:	1,588	1,406	0	0	0	182	0		
			Check No. 23	197.05									
			201.24	Kern County Water Agency									
				Lost Hills Water Dist. - 7	234	202					32		
			202.05	Kern County Water Agency									
				Lost Hills Water Dist. - 5	82	74					8		
10A	25		204.69	Kern County Water Agency									
				Lost Hills Water Dist. - 6	0								
			205.26	Kern County Water Agency									
				Lost Hills Water Dist. - 8	0								
			Check No. 24	207.94									
			209.71	Kern County Water Agency									
				Belridge Water Storage Dist. - 1A	527	320					207		
			209.78	Kern National Wildlife Refuge									
				USBR BV-1B	0								
				Kern County Water Agency									
				Buena Vista WSD 1B	45								
			209.80	KCWA Semitropic WSD	4,525	45							
				KCWA Semitropic WSD Penstocks	4,288	1,125							
				USBR Total:	0	608	228						
				K.C.W.A. Reach 10A Subtotal:	9,701	2,374	0	228	0	2,099	5,000		

1/ Return of water that the contractor had pumped into the aqueduct.

2/ Empire West Side ID received 500 AF of entitlement water transferred from TLBWS and 253 AF of unscheduled surplus water.

3/ Change in point of delivery so DRWD can transfer 198 AF of 2000 carryover water and 476 AF of interuptible water to their own lands through TLBWS Turnout B in Reach 8D.

4/ ACWD Zone - 7 carryover water stored in Semitropic WSD. Acct # 170.

Table 22b. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

March 2001

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries							
	Beginning and Ending					Carryover Entitl-ment	Inter-ruptible	Carryover Purchase Pool B	Local 2/	Other			
	No.	Structure	Mile										
11B	25	210.75	Kern County Water Agency Belridge - 2	0		1,714	54	6	642				
		214.11	Kern County Water Agency Belridge - 3	69									
		216.62	Kern County Water Agency Belridge - 4	0									
		217.13	Kern County Water Agency Belridge - 5	2,826			470						
			Kern County Water Agency Belridge - 5D	63									
		Check No. 25	217.79										
			K.C.W.A. Reach 11B Subtotal:	2,958		1,786	524	0	648	0			
12D	26	219.58	Kern County Water Agency Belridge - 6	0									
		Check No. 26	224.92										
12E	27	230.37	Kern County Water Agency Buena Vista - 6	0		12,534							
		Check No. 27	231.73										
	28	235.75	Kern County Water Agency Buena Vista - 2	0									
		238.04	Kern County WA CVC	12,534									
			DRWD CVC	0									
			Tulare Co.	0									
			Lower Tule River	0									
			Fresno Co.	0									
			Pixley ID	0									
			Hacienda										
			DWR Wells	0									
		Check No. 28	238.11										
			1/ Arvin Edison Total:	0		0	0	0	0	0			
			Reach 12E Subtotal:	12,534		0	12,534	0	0	0			
13B	29	238.19	Kern Water Bank Inflow	10,101		1,665	5,704	171	3/ 2,561				
		241.02	Kern Water Bank Outflow	0									
		242.85	Kern River Intertie (inflow)	0									
		243.09	KCWA Buena Vista WSD - 7	0									
		244.54	KCWA Buena Vista WSD - 5	138									
		249.85	Kern County Water Agency Buena Vista - 3	211		1,665	5,704	211	487				
		250.99	Buena Vista WSD	0									
		254.47	Kern County Water Agency West Kern - 2	0									
		256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	64									
			K.C.W.A. Reach 13B Subtotal:	10,937									
14A	31					54	5			5			

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

2/ Return of water that the contractor had pumped into the aqueduct.

3/ DRWD transferred 1,761 AF of carryover water to KWB Acct # 202 and 800 AF of Carryover water to KWB Acct # 179.

Table 22c. Governor Edmund G. Brown California Aqueduct
San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

March 2001

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries				
	Beginning and Ending		No.	Structure	Mile		Carryover Entitlement	Inter-ruptible	Carryover Purchase Pool B	Local 1/
	No.	Structure								
14A	31	Check No. 31	256.14				79	5		
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3	96					12
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4	1,000		863	71		66
		Check No. 32	261.72							
				KCWA Reach 14A Subtotal:	1,160		996	81	0	83 0
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5	2,280		1,930	150		200
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6	213					32
		Check No. 33	267.36							
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7	1,705		1,497	130		78
		Check No. 34	271.27							
				Reach 14B Total:	4,198		3,597	291	0	310 0
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8	905		760	58		87
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9	350					52
				Reach 14C Total:	1,255		1,040	76	0	139 0
	Teerink Pumping Plant		278.13		83,002					
15A	36		279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A	90		80	7		3
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10	1,412					200
				Reach 15-A Total:	1,502		1,218	81	0	203 0
	Chrisman Pumping Plant		280.36		80,262					
16A	37		282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 11	0					
		Check No. 37	283.95							
	38		285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12	8		7	1		
			286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A	29					6
			287.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13	0					
	Check No. 38		287.09							
	39		287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B	34		29	3		2
		Check No. 39	290.21							
17E	40		291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14	119		108	10		
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15	1					
				Kern County Water Agency Tehachapi Cummings CWD	0					1
				K.C.W.A. Reach 16A Subtotal:	191		167	15	0	9 0
	Edmonston Pumping Plant		293.45		79,541					

1/ Return of water that the contractor had pumped into the aqueduct.

Table 23. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

March 2001

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		No.			Carryover Entitlement	Inter-ruptible	Carryover Purchase Pool B	Local 1/	Other	
	No.	Structure	Mile								
31A	C-1	Coastal Branch Control	0.02		3,792						
		Las Perillas Pumping Plant	1.16		3,792						
	C-2		3.79	Green Valley Water District	0						
		Badger Hill Pumping Plant	4.27		3,792						
	C-3	Coastal Check No. 3	7.21								
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	0						
		Coastal Check No. 4	9.34								
	C-5	Coastal Check No. 5	12.20								
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	201	102	2			97	
			14.83	Kern County Water Agency Berrenda Mesa - DD	0						
				Kern County Water Agency Berrenda Mesa - PO	2,196		53			640	
		Devil's Den Pumping Plant	14.86		1,321						
				K.C.W.A. Reach 31A Subtotal:	2,397	1,605	55	0	737	0	
				K.C.W.A. Total:	48,421	15,854	19,589	836	4,581	7,561	
33A	C-7	Bluestone Pumping Plant	19.05		1,238						
	C-8	Polonio Pass Pumping Plant	26.54		1,357						
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant							
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	699	699					
		Tank Site 2	58.63	Central Coast:	0						
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	310	310					
		Energy Dissipater	78.12								
	C-12	Lopez T.O.	85.86	SLOCFC & WCD	0	1,009	0	0	0	0	
				CCWA Total:	1,009						
35	C-12	Guadalupe T.O.	102.70	SBCFC & WCD	0						
		Santa Maria T.O.	107.43	SBCFC & WCD	0						
		So. Cal. Water T.O.	109.20	SBCFC & WCD	0						
38				SBCFC & WCD Total:	0	0	0	0	0	0	
		Tank Site 5	115.42								

1/ Return of water that the contractor had pumped into the aqueduct.

Table 24. Southern Field Division Plant Data

(in acre-feet)

March 2001

Date	West Branch				East Branch							Devil Canyon Powerplant Generation	
	Oso Pumping Plant	Warne Powerplant		Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			
		Generation	Leakage	Generation	Pumpback	Generation	Bypass Through Plant	Cottonwood Chute		Generation	Leakage	Bypass Flume	
1	256	192	0	1,352	3,792	1,168	0	0	1,095	960	0	0	1,206
2	374	191	0	105	2,325	1,160	0	0	1,240	1,209	0	0	1,618
3	169	184	0	0	17	1,206	0	0	1,203	1,014	0	0	1,459
4	208	251	0	634	2,065	829	0	1,543	2,231	2,234	0	0	1,476
5	220	184	0	4,517	639	0	12	1,199	1,125	1,171	0	0	1,134
6	219	193	0	2,268	1,759	0	16	1,204	1,112	1,158	0	0	1,138
7	225	193	0	1,434	3,226	564	0	1,606	1,767	2,002	0	0	1,252
8	222	207	0	4,651	2,854	1,625	0	222	1,764	1,653	0	0	1,120
9	222	200	0	3,199	1,487	1,297	0	149	1,516	1,480	0	0	1,106
10	222	193	0	326	3,285	1,084	0	152	1,043	1,010	0	0	1,690
11	223	194	0	285	2,263	1,440	0	0	1,361	1,352	0	0	1,347
12	222	222	0	1,717	1,851	1,600	0	10	1,312	1,393	0	0	1,364
13	379	209	0	2,442	1,570	735	0	250	867	1,013	0	0	1,584
14	224	198	0	999	967	302	0	995	1,262	1,071	0	0	1,624
15	225	197	0	3,393	2,652	1,246	0	0	1,286	1,279	0	0	1,527
16	222	199	0	2,084	4,488	1,506	0	22	1,072	1,031	0	0	2,383
17	225	191	0	1,494	1,537	1,612	0	37	1,477	1,387	0	0	1,772
18	500	515	0	3,557	1,993	3,626	0	179	3,620	3,222	0	0	2,176
19	839	1,196	0	11,687	2,901	1,624	0	0	1,346	1,645	0	0	2,220
20	970	2,422	0	6,618	4,948	669	0	382	1,001	963	0	0	1,751
21	798	1,233	0	5,002	6,441	450	0	1,117	1,517	1,120	0	0	1,782
22	1,413	647	0	3,971	5,078	1,559	0	151	1,611	1,584	0	0	1,580
23	1,313	821	0	5,841	2,012	1,725	0	241	1,835	1,888	0	0	1,768
24	1,296	1,150	0	467	4,305	2,324	0	210	2,505	2,489	0	0	1,419
25	1,869	205	0	1,885	1,444	3,668	0	465	3,709	3,679	0	0	1,871
26	430	1,144	0	3,230	1,811	1,713	0	1,103	2,432	2,423	0	0	1,861
27	1,462	1,049	0	5,634	1,526	1,731	0	727	2,213	2,447	0	0	1,699
28	1,790	1,760	0	5,113	1,505	1,851	0	416	2,516	2,454	0	0	1,807
29	1,814	1,718	0	3,603	3,549	1,705	0	512	2,145	2,397	0	0	1,840
30	1,895	1,866	0	6,558	3,267	2,179	0	145	1,828	1,720	0	0	1,897
31	1,711	1,641	0	2,802	5,188	1,287	0	204	1,350	1,526	0	0	1,825
Total	22,157	20,765	0	96,868	82,745	43,485	28	13,241	52,361	51,974	0	0	50,296

Table 25. Pyramid Lake
Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

March 2001

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow			Computed Losses (-) And Gains (+)
				Project		Natural	Project		Natural	
				Castaic Powerplant Pumpback	Warne Powerplant	Stream Flow	Castaic Powerplant Generation	Recreation Deliveries	To Piru Creek	
Feb 28	2570.95	160,959								
1	2573.32	163,929	2,970	3,792	192	200	1,352	0	10	148
2	2575.19	166,299	2,370	2,325	191	202	105	0	10	-233
3	2575.39	166,553	254	17	184	212	0	0	198	39
4	2577.05	168,678	2,125	2,065	251	400	634	0	198	241
5	2574.96	166,006	-2,672	639	184	4,253	4,517	0	2,261	-970
6	2575.15	166,248	242	1,759	193	5,624	2,268	0	6,357	1,291
7	2575.70	166,949	701	3,226	193	1,635	1,434	0	3,457	538
8	2573.20	163,778	-3,171	2,854	207	1,227	4,651	0	3,069	261
9	2571.23	161,308	-2,470	1,487	200	1,009	3,199	0	2,945	978
10	2573.19	163,766	2,458	3,285	193	785	326	0	1,673	194
11	2574.55	165,485	1,719	2,263	194	646	285	0	1,260	161
12	2574.57	165,511	26	1,851	222	586	1,717	0	1,093	177
13	2573.94	164,712	-799	1,570	209	553	2,442	0	758	69
14	2574.20	165,042	330	967	198	588	999	0	466	42
15	2573.80	164,535	-507	2,652	197	603	3,393	0	397	-169
16	2576.03	167,370	2,835	4,488	199	588	2,084	0	397	41
17	2576.31	167,728	358	1,537	191	603	1,494	0	397	-82
18	2575.74	167,000	-728	1,993	515	675	3,557	0	298	-56
19	2569.97	159,741	-7,259	2,901	1,196	794	11,687	0	496	33
20	2570.84	160,822	1,081	4,948	2,422	838	6,618	0	496	-13
21	2573.22	163,803	2,981	6,441	1,233	829	5,002	0	496	-24
22	2574.73	165,714	1,911	5,078	647	735	3,971	0	496	-82
23	2572.47	162,860	-2,854	2,012	821	667	5,841	0	496	-17
24	2576.56	168,049	5,189	4,305	1,150	656	467	0	397	-58
25	2576.53	168,010	-39	1,444	205	642	1,885	0	397	-48
26	2576.35	167,780	-230	1,811	1,144	603	3,230	0	298	-260
27	2574.09	164,902	-2,878	1,526	1,049	541	5,634	0	297	-63
28	2572.78	163,249	-1,653	1,505	1,760	516	5,113	0	261	-60
29	2574.27	165,130	1,881	3,549	1,718	591	3,603	0	293	-81
30	2573.29	163,892	-1,238	3,267	1,866	510	6,558	0	293	-30
31	2576.52	167,997	4,105	5,188	1,641	454	2,802	0	297	-79
Total				7,038	82,745	20,765	28,765	96,868	0	30,257
										1,888

Table 26. Elderberry Forebay

Daily Operation
(in acre-feet except as noted)

Capacity: 32,746 ac-ft

March 2001

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) And Gains (+)	
				Castaic Powerplant Generation	Natural	Castaic Powerplant Pumpback	To Castaic Lake			
							Natural	Project		
Feb 28	1522.95	24,513								
1	1518.12	22,446	-2,067	1,352	142	3,792	142	0	373	
2	1512.92	20,325	-2,121	105	126	2,325	126	0	99	
3	1513.21	20,441	116	0	118	17	118	0	133	
4	1510.04	19,200	-1,241	634	293	2,065	293	0	190	
5	1511.13	19,622	422	4,517	709	639	709	2,516	-940	
6	1514.51	20,962	1,340	2,268	664	1,759	664	0	831	
7	1511.13	19,622	-1,340	1,434	391	3,226	391	0	452	
8	1516.34	21,708	2,086	4,651	277	2,854	277	0	289	
9	1520.83	23,595	1,887	3,199	210	1,487	210	0	175	
10	1514.30	20,877	-2,718	326	168	3,285	168	0	241	
11	1509.73	19,080	-1,797	285	145	2,263	145	0	181	
12	1509.74	19,084	4	1,717	125	1,851	125	0	138	
13	1512.25	20,060	976	2,442	119	1,570	119	0	104	
14	1512.61	20,202	142	999	106	967	106	0	110	
15	1514.73	21,051	849	3,393	96	2,652	96	0	108	
16	1508.97	18,790	-2,261	2,084	84	4,488	84	0	143	
17	1508.93	18,775	-15	1,494	76	1,537	76	0	28	
18	1513.10	20,397	1,622	3,557	64	1,993	64	0	58	
19	1525.14	25,478	5,081	11,687	59	2,901	59	3,796	91	
20	1523.64	24,815	-663	6,618	53	4,948	53	2,365	32	
21	1514.33	20,889	-3,926	5,002	50	6,441	50	2,517	30	
22	1511.79	19,879	-1,010	3,971	47	5,078	47	0	97	
23	1520.99	23,664	3,785	5,841	44	2,012	44	0	-44	
24	1511.80	19,883	-3,781	467	42	4,305	42	0	57	
25	1506.85	17,992	-1,891	1,885	39	1,444	39	2,174	-158	
26	1504.08	16,975	-1,017	3,230	39	1,811	39	2,404	-32	
27	1514.75	21,059	4,084	5,634	40	1,526	40	0	-24	
28	1518.56	22,631	1,572	5,113	37	1,505	37	1,966	-70	
29	1512.29	20,076	-2,555	3,603	34	3,549	34	2,575	-34	
30	1520.20	23,326	3,250	6,558	31	3,267	31	0	-41	
31	1508.06	18,445	-4,881	2,802	30	5,188	30	2,434	-61	
Total				-6,068	96,868	4,458	82,745	4,458	22,747	
									2,556	

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

March 2001

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow		Computed Losses (-) And Gains (+)	
				From Elderberry Forebay		Natural	Deliveries	Released To Castaic Lagoon		
				Natural	Project					
Feb 28	1506.40	304,811								
1	1506.06	304,078	-733	142	0	70	827	0	-118	
2	1505.67	303,238	-840	126	0	55	816	0	-205	
3	1505.31	302,464	-774	118	0	46	932	0	-6	
4	1504.98	301,756	-708	293	0	62	871	0	-192	
5	1506.49	305,005	3,249	709	2,516	176	878	0	726	
6	1506.25	304,487	-518	664	0	143	845	0	-480	
7	1505.92	303,776	-711	391	0	99	919	0	-282	
8	1505.56	303,002	-774	277	0	81	917	0	-215	
9	1505.20	302,228	-774	210	0	79	783	0	-280	
10	1504.93	301,649	-579	168	0	63	776	0	-34	
11	1504.57	300,878	-771	145	0	55	787	0	-184	
12	1504.23	300,150	-728	125	0	52	783	0	-122	
13	1503.81	299,253	-897	119	0	46	848	133	-81	
14	1503.33	298,230	-1,023	106	0	41	877	151	-142	
15	1502.91	297,336	-894	96	0	43	918	99	-16	
16	1502.42	296,295	-1,041	84	0	38	989	101	-73	
17	1501.90	295,193	-1,102	76	0	33	1,123	79	-9	
18	1501.33	293,987	-1,206	64	0	31	1,164	79	-58	
19	1502.35	296,146	2,159	59	3,796	30	1,434	79	-213	
20	1502.71	296,911	765	53	2,365	27	1,577	79	-24	
21	1503.14	297,825	914	50	2,517	27	1,555	79	-46	
22	1502.39	296,231	-1,594	47	0	27	1,520	79	-69	
23	1501.67	294,706	-1,525	44	0	25	1,512	50	-32	
24	1500.92	293,122	-1,584	42	0	24	1,568	50	-32	
25	1501.36	294,051	929	39	2,174	22	1,428	50	172	
26	1501.75	294,875	824	39	2,404	20	1,483	50	-106	
27	1501.03	293,354	-1,521	40	0	20	1,557	50	26	
28	1501.14	293,586	232	37	1,966	19	1,642	40	-108	
29	1501.56	294,473	887	34	2,575	18	1,805	40	105	
30	1500.66	292,574	-1,899	31	0	18	1,918	40	10	
31	1500.94	293,164	590	30	2,434	18	1,972	39	119	
Total				-11,647	4,458	22,747	1,508	37,024	1,367	-1,969

Table 28. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

March 2001

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending					Entitlement	Rec.	Storage W/drawal	Flexible Storage W/drawal	Extended Carryover Entitlement	CLWA T1		
	No.	Structure	Mile										
29A	42	Oso Pumping Plant	1.49		22,157								
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Re-moved								
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub								
29G		Warne Power Plant	14.07		20,765								
29H	W3	Pyramid Lake		Calif. State Park Pyramid Recreation	0								
		Pyramid Dam	17.10	Piru Creek Fish Enhancement	0								
		Castaic Power Plant	25.82	(82,745 AF pumpback)	96,868								
29J	W4	Elderberry Forebay											
		Forebay Dam	28.12										
		Castaic Lake		Calif. State Park Castaic Lake Recreation	6								
30 1/	W5	Castaic Dam	31.47										
		Castaic Lake Outlet	31.55	MWD - 78"	978								
				MWD - 132"	33,955								
				Castaic Lake WA - T1	475								
				Castaic Lake WA	0								
				United Water Conservation Dist.	0								
				MWD - Ventura County FCD	154								
				LA Co. Parks & Recreation	0								
				Releases to Lagoon	1,367								
				Reach 30 Subtotal:	35,568	154	6	1,614	15,062	18,257	475		
	W6	Castaic Lagoon		Recreation to Lagoon	75								
		Castaic Lagoon Outlet	31.87		1,280								

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

Table 29. Silverwood Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 74,970 ac-ft

March 2001

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow					Computed Losses (-) And Gains (+)	Las Flores Ranch Exchange 1/	
				Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Flow	Delivered to CLAWA	Rec.	San Bernardino Tunnel	Del. To Mojave W.A.	Natural To Mojave River			
Feb 28	3348.57	68,837												
1	3348.23	68,521	-316	960	0	106	3	0	1,206	0	87	-86	40	
2	3347.72	68,048	-473	1,209	0	86	3	0	1,618	0	75	-72	40	
3	3347.24	67,604	-444	1,014	0	72	3	0	1,459	0	29	-39	40	
4	3348.15	68,447	843	2,234	0	66	3	0	1,476	0	1	23	40	
5	3348.31	68,595	148	1,171	0	67	3	0	1,134	0	0	47	40	
6	3348.24	68,530	-65	1,158	0	141	3	0	1,138	0	40	-183	40	
7	3349.17	69,397	867	2,002	0	155	3	1	1,252	0	101	67	42	
8	3349.81	69,998	601	1,653	0	117	3	0	1,120	0	102	56	46	
9	3350.43	70,582	584	1,480	0	104	4	0	1,106	0	0	110	46	
10	3350.07	70,242	-340	1,010	0	110	3	0	1,690	0	1	234	46	
11	3350.04	70,214	-28	1,352	0	94	3	0	1,347	0	0	-124	46	
12	3350.18	70,346	132	1,393	0	80	3	0	1,364	0	1	27	46	
13	3349.47	69,678	-668	1,013	0	69	4	0	1,584	0	59	-103	44	
14	3348.78	69,033	-645	1,071	0	63	3	0	1,624	0	101	-51	44	
15	3348.51	68,781	-252	1,279	0	58	3	0	1,527	0	36	-23	46	
16	3347.23	67,595	-1,186	1,031	0	55	3	0	2,383	0	1	115	46	
17	3346.82	67,217	-378	1,387	0	52	3	0	1,772	0	0	-42	46	
18	3347.95	68,261	1,044	3,222	0	49	3	0	2,176	0	1	-47	46	
19	3347.58	67,918	-343	1,645	0	48	3	0	2,220	0	0	187	46	
20	3346.89	67,282	-636	963	0	49	3	0	1,751	0	1	107	46	
21	3346.02	66,484	-798	1,120	0	48	4	0	1,782	0	0	-180	46	
22	3345.97	66,438	-46	1,584	0	45	3	0	1,580	0	1	-91	46	
23	3346.26	66,703	265	1,888	0	39	3	0	1,768	0	0	109	46	
24	3347.43	67,780	1,077	2,489	0	36	3	0	1,419	0	1	-25	42	
25	3349.01	69,248	1,468	3,679	0	34	3	0	1,871	0	0	-371	40	
26	3349.51	69,716	468	2,423	0	31	3	0	1,861	0	1	-121	40	
27	3350.92	71,045	1,329	2,447	0	29	4	0	1,699	0	0	556	40	
28	3351.58	71,672	627	2,454	0	27	3	0	1,807	0	1	-43	40	
29	3352.11	72,178	506	2,397	0	26	3	0	1,840	0	0	-74	40	
30	3352.00	72,073	-105	1,720	0	25	3	0	1,897	0	0	50	40	
31	3351.71	71,796	-277	1,526	0	22	4	0	1,825	0	0	4	36	
Total				2,959	51,974	0	2,003	98	1	50,296	0	641	18	1,321

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.

Table 30. Lake Perris

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

March 2001

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Feb 28	1575.12	98,617				
1	1575.15	98,680	63		9	
2	1575.15	98,680	0		9	
3	1575.16	98,701	21		9	
4	1575.15	98,680	-21		8	
5	1575.17	98,722	42		9	
6	1575.16	98,701	-21		8	
7	1575.17	98,722	21		9	
8	1575.21	98,806	84		9	
9	1575.17	98,722	-84		27	
10	1575.19	98,764	42		8	
11	1575.18	98,743	-21		9	
12	1575.19	98,764	21		262	
13	1575.20	98,785	21		9	
14	1575.17	98,722	-63		9	
15	1575.18	98,743	21		8	
16	1575.20	98,785	42		8	
17	1575.20	98,785	0		9	
18	1575.19	98,764	-21		43	
19	1575.43	99,267	503		9	
20	1575.88	100,212	945		170	
21	1576.33	101,160	948		8	
22	1576.65	101,837	677		2	
23	1577.10	102,790	953		8	
24	1577.34	103,300	510		140	
25	1577.51	103,661	361		130	
26	1577.66	103,980	319		8	
27	1577.85	104,385	405		8	
28	1577.99	104,684	299		9	
29	1578.13	104,983	299		83	
30	1578.32	105,389	406		8	
31	1578.48	105,732	343		59	
Total			7,115	9,630	1,102	-1,413

1/ Project inflow is a calculated total. Negative total caused by meter measurement inaccuracies (within acceptable tolerances).

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at lake Perris.

Table 31a. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

March 2001

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries						
	Beginning and Ending					Entitle-ment	Rec.	Transfer 1/	Extended Carryover Ent.	Transfer Local Out		
	No.	Structure	Mile									
17E	40	Edmonston Pumping Plant	293.45		79,541							
	41		298.65	Kern County Water Agency Tej.-Cas	Stub							
17F		Check No. 41	303.41									
18A	42	Check No. 42	304.99									
19	43	Alamo Powerplant	305.73	(Does not include 13,241 AF flow down Cottonwood Chute)	43,513	1	877	58				
			308.05	Antelope Valley-East Kern WA	0							
		Check No. 43	309.70									
	44		311.84	LADWP Connection	0							
			313.50	AVEK 245th Street West	0							
	Check No. 44		314.81									
	45		314.93	AVEK 235th Street West	1							
			315.57	AVEK 225th Street West	0							
	Check No. 45		319.74									
	46		323.19	Antelope Valley-East Kern WA Fairmont	935							
		Check No. 46	323.84									
20A				Reach 19 Total:	936	878	0	58	0	0		
	47	Check No. 47	326.77			21	1,251	36	481			
	48		326.91	Antelope Valley-East Kern WA Willow Springs Siphon	21							
			329.65	Antelope Valley-East Kern WA 120th Street West	Removed							
		Check No. 48	330.82									
	49	Check No. 49	335.93									
	50		336.73	AVEK WA - Quartz Hill (Wheeled for Palmdale WD)	0							
				Antelope Valley-East Kern WA	1,251							
			339.68	Antelope Valley-East Kern WA	36							
20B	Check No. 50		341.51									
	51	Check No. 51	342.07									
	52		342.80	Antelope Valley-East Kern WA 30th Street West	Not in Use							
		Check No. 52	343.74									
	53		346.98	PWD Palmdale	481							
			348.14	Antelope Valley-East Kern WA Acton Treatment Plant	0							
21	Check No. 53		348.17									
	54	Check No. 54	350.25									
	55	Check No. 55	352.70									
	56	Check No. 56	354.76									
22A			354.97	Littlerock Creek I.D.	0	1	16	138				
	57	Check No. 57	356.93									
	58		357.60	Antelope Valley-East Kern WA	1							
			357.72	Antelope Valley-East Kern WA 96th Street East	16							
			359.82	Antelope Valley-East Kern WA East Side Treatment Plant	138							

1/ AVEK transferred this water to Mojave Water Agency.

Table 31b. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

March 2001

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		No.			Entitlement	Rec	Storage Withdrawal	Inter-ruptible	Extended Carryover Ent.	Extended Inter-ruptible	
	No.	Structure	Mile									
22B	58	Pearblossom Pumping Plant	360.61		52,361	577	98	1			1,321	
	59	Check No. 59	366.09									
	60	Check No. 60	373.94									
	61	Check No. 61	379.00									
	62	Check No. 62	384.26									
	63	Check No. 63	389.20	Mojave Water Agency Mojave River	0							
	64	Check No. 64	395.10									
	65	Check No. 65	400.32									
	66		401.10	Mojave Water Agency Morongo 24" and 42"	577							
				Mojave Water Agency Hesperia	0							
23	Check No. 66		403.41									
24	Mojave Siphon		405.48	Las Flores Ranch	1,321	98	1				20,152	
	Mojave Siphon Powerplant		405.65		51,974							
	Silverwood Lake		407.65	Crestline Lake Arrowhead Water Agency	98							
				Calif. State Park Silverwood Agency (Rec.)	1							
25	San Bernardino Tunnel		411.46		50,296							
26A	Devil Canyon Afterbay Control Structures		412.88	San Gorgonio Pass Water Agency	0	48	117				20,152	
				MWD-SC Rialto	20,152							
				Desert Water Agency (MWD Wheeling Exchange)	0							
				San Gabriel Valley Water District	0							
				Coachella Valley WD (MWD Wheeling Exchange)	0							
				San Bernardino Valley MWD 24" and 72"	48							
				San Bernardino Valley MWD 48"	117							
				MWD (SBVMWD Exchange)	0							
28G			425.46									
28H	Santa Ana Valley Pipeline		433.06	MWD-SC Box Springs	3,164	9,918	5,705	2,735	3,164	4,710	265	
			440.05	MWD-SC Perris Bypass Pipeline	18,358							
28J	Lake Perris	442.00	MWD-SC 18"	4,975	13	13	0	16,676	5,705	45,397	4,710	
			MWD-SC 54"	390								
		443.44	MWD-SC 78"	434								
			Calif. State Park Lake Perris Recreation	13								
			MWD Total:	83,035								

Table 32. Water Quality At Selected SWP Locations

March 2001

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Banks Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct				Devil Canyon Afterbay Near San Bernardino
						O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	
Alkalinity	mg/l	39	119	79	91	79	78	84	82	81
Antimony	mg/l	<0.005	<0.005	<0.005	NR	<0.005	NR	<0.005	NR	NR
Arsenic	mg/l	<0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.3	0.2	0.4	0.2	0.2	0.2	0.2	0.2
Bromide	mg/l	<0.01	0.06	0.16	0.21	0.17	0.15	0.18	0.19	0.28
Calcium	mg/l	9	18	24	31	24	23	24	24	24
Carbon - Dissolved Organic	mg/l	NR	12	6	6	6	5	5	5	4
Carbon - Total Organic	mg/l	NR	14	6	NR	6	NR	NR	5	4
Chloride	mg/l	1	56	53	76	55	55	64	66	96
Chromium	mg/l	<0.005	0.007	0.006	<0.005	<0.005	<0.005	<0.005	0.005	<0.005
Copper	mg/l	0.001	0.005	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Fluoride	mg/l	<0.1	0.3	0.3	0.1	0.1	0.3	0.1	<0.1	<0.1
Hardness	mg/l	39	123	113	143	113	111	118	118	122
Iron	mg/l	0.005	0.062	0.034	0.050	0.124	0.023	0.017	0.018	0.010
Lead	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	4	19	13	16	13	13	14	14	15
Manganese	mg/l	<0.005	0.050	0.023	<0.005	0.016	<0.005	<0.005	<0.005	<0.005
Nitrate + Nitrite	mg/l	0.01	0.24	1.20	NR	NR	1.20	NR	1.20	0.96
Phosphorus-Ortho	mg/l	<0.01	0.09	0.12	NR	NR	0.09	NR	0.07	0.04
Phosphorus-Total	mg/l	<0.01	0.22	0.16	NR	NR	0.20	NR	0.13	0.04
Selenium	mg/l	NR	<0.001	0.001	NR	NR	NR	0.001	NR	NR
Sodium	mg/l	4	59	45	70	48	45	53	55	71
Specific Conductance	µS/cm	87	515	452	650	487	468	520	500	595
Sulfate	mg/l	2	48	56	91	59	51	57	50	47
Total Dissolved Solids	mg/l	55.5	295	262	357	273	255	280	263	318
Turbidity	NTU	1.87	73.05555556	10.5	8.31	9.66	39.8	15.5	15.05	2
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

March 2001

Date	Tides (feet above mean sea level)		Flow In CFS		Electrical Conductivity in milliSiemens/cm									Cl in mg/l		
			Net Delta Outflow Index		Rio Vista	Antioch	Chippis island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal	Contra Costa Canal Intake	
	(Antioch) Daily Mean		Mean Daily	Monthly Average				md	md	md	14dm	md	14dm	md		
	Hi	Half			md	md	md	md	14dm	md	14dm	md	md	md	md	
38	1	2.87	1.10	35,868	35,868	28,113	0.38	0.24	0.17	0.24	0.29	0.39	0.45	0.80	0.45	100
	2	3.08	1.16	27,662	31,765	24,182	0.36	0.24	0.17	0.23	0.28	0.37	0.45	0.85	0.45	100
	3	2.96	1.14	26,433	29,988	22,511	0.34	0.25	0.17	0.23	0.27	0.37	0.45	0.89	0.47	92
	4	3.68	1.69	24,096	28,515	21,407	0.31	0.92	0.18	0.22	0.28	0.35	0.44	0.80	0.48	85
	5	3.83	1.90	24,785	27,769	30,506	0.33	1.52	0.19	0.21	0.27	0.33	0.42	0.39	0.50	85
	6	3.92	1.68	36,742	29,264	34,294	0.30	1.18	0.22	0.20	0.27	0.32	0.45	0.46	0.61	100
	7	3.92	1.73	46,991	31,797	38,592	0.32	0.62	0.23	0.20	0.26	0.31	0.51	0.60	0.57	130
	8	3.66	1.55	49,611	34,024	40,769	0.30	0.32	0.22	0.20	0.25	0.30	0.49	0.70	0.59	118
	9	3.57	1.49	51,492	35,965	41,300	0.28	0.24	0.18	0.20	0.24	0.29	0.50	0.78	0.54	130
	10	3.26	1.38	49,072	37,275	36,453	0.27	0.18	0.18	0.19	0.24	0.28	0.49	0.83	0.54	128
	11	2.93	1.22	41,036	37,617	30,115	0.26	0.16	0.19	0.19	0.24	0.27	0.50	0.87	0.54	127
	12	3.03	1.10	31,275	37,089	26,617	0.26	0.15	0.19	0.19	0.24	0.27	0.53	0.90	0.56	128
	13	3.04	1.04	27,233	36,331	24,403	0.24	0.15	0.20	0.19	0.23	0.26	0.53	0.92	0.58	150
	14	2.99	1.00	24,690	35,499	22,250	0.23	0.15	0.20	0.19	0.24	0.26	0.56	0.94	0.64	150
	15	2.72	0.89	22,186	34,612	20,289	0.23	0.15	0.21	0.20	0.24	0.25	0.57	0.94	0.69	120
	16	2.48	0.84	20,072	33,703	18,462	0.19	0.15	0.22	0.20	0.24	0.25	0.56	0.94	0.73	83
	17	2.26	0.84	18,059	32,783	16,914	0.21	0.14	0.23	0.20	0.24	0.25	0.57	0.94	0.77	77
	18	2.18	0.77	15,903	31,845	15,883	0.23	0.15	0.23	0.21	0.24	0.25	0.57	0.95	0.83	85
	19	2.16	0.70	14,422	30,928	14,843	0.18	0.22	0.23	0.21	0.24	0.24	0.56	0.96	0.88	85
	20	2.47	0.86	13,031	30,033	14,188	0.23	0.76	0.24	0.21	0.24	0.24	0.56	0.96	0.87	77
	21	2.69	1.01	12,219	29,185	13,938	0.23	1.42	0.24	0.21	0.24	0.24	0.57	0.95	0.88	75
	22	2.67	1.04	12,187	28,412	13,814	0.22	1.97	0.25	0.21	0.25	0.24	0.54	0.92	0.89	67
	23	2.53	0.92	11,056	27,657	13,707	0.30	1.60	0.25	0.22	0.25	0.24	0.54	0.95	0.86	62
	24	2.52	0.91	10,348	26,936	13,207	0.22	1.65	0.25	0.22	0.25	0.24	0.51	0.94	0.80	53
	25	2.44	0.77	9,936	26,256	13,326	0.38	1.59	0.25	0.23	0.25	0.24	0.49	0.93	0.75	55
	26	2.29	0.57	10,659	25,656	13,151	0.37	1.45	0.24	0.23	0.25	0.24	0.59	0.92	0.71	58
	27	2.20	0.50	10,977	25,113	13,064	0.35	1.30	0.25	0.24	0.26	0.25	0.51	0.91	0.69	57
	28	2.37	0.64	10,264	24,582	13,161	0.39	1.36	0.25	0.24	0.26	0.25	0.49	0.91	0.69	55
	29	2.59	0.66	10,605	24,100	12,726	0.38	1.45	0.25	0.24	0.27	0.25	0.45	0.90	0.61	55
	30	2.68	0.70	10,259	23,639	12,164	0.44	1.42	0.24	0.24	0.27	0.25	0.46	0.89	0.63	55
	31	2.71	0.85	9,218	23,174	11,431	0.43	1.55	0.24	0.24	0.28	0.25	0.38	0.86	0.57	33

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

N.R. = No Record.

N.C. = Not computed due to insufficient data.

f = Excess Delta conditions with fish concerns.

r = Excess delta conditions with export/inflow ratio concerns.

s = Balanced water conditions with storage withdrawals.

dm = Daily Mean

md = Mean Daily

Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP

March 2001

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
North Bay Aqueduct At Barker Slough Pumping Plant	March 21, 2001	2,4-Dichlorophenylacetic acid (DCAA)	0.49
	March 21, 2001	Diazinon	0.01
	March 21, 2001	Simazine	0.02
	March 21, 2001	Diuron	0.28
California Aqueduct At Banks Pumping Plant	March 21, 2001	Diuron	0.69
	March 21, 2001	2,4-Dichlorophenylacetic acid (DCAA)	0.34
	March 21, 2001	Diazinon	0.01
	March 21, 2001	Simazine	0.12
Delta Mendota Canal At McCabe Road	March 20, 2001	Diazinon	0.01
	March 20, 2001	Simazine	0.09
	March 20, 2001	Diuron	0.69
	March 20, 2001	2,4-Dichlorophenylacetic acid (DCAA)	0.35
California Aqueduct Near Kettleman City (Check 21)	March 20, 2001	Diuron	0.60
	March 20, 2001	Simazine	0.08
	March 20, 2001	Diazinon	0.01
	March 20, 2001	2,4-Dichlorophenylacetic acid (DCAA)	0.37
California Aqueduct At Tehachapi Afterbay (Check 41)	March 21, 2001	Diazinon	0.01
	March 21, 2001	Simazine	0.05
	March 21, 2001	Diuron	0.73
	March 21, 2001	2,4-Dichlorophenylacetic acid (DCAA)	0.31
Devil Canyon Power Plant At Entrance To Santa Ana Pipeline	March 21, 2001	2,4-Dichlorophenylacetic acid (DCAA)	0.31
	March 21, 2001	Diuron	1.55
	March 21, 2001	Diazinon	0.01
	March 21, 2001	Simazine	0.02

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

(in kWh)

March 2001

Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load
	Generation	Load			Total Load	SWP Load		
1	2,583,936	1,440	7,665	16,604	2,683,200	2,683,200	141,210	247
2	4,198,464	1,152	9,079	23,576	2,809,536	2,809,536	126,800	278
3	3,145,824	22,752	8,092	16,975	2,683,584	2,683,584	134,705	250
4	0	6,847,200	7,945	19,929	2,810,880	2,810,880	132,720	242
5	3,048,480	11,808	9,422	23,289	3,242,688	3,242,688	140,505	478
6	5,783,616	4,320	8,694	19,859	4,270,848	4,270,848	161,295	1,975
7	1,595,232	3,456	6,895	16,492	2,237,760	2,237,760	159,165	177
8	2,789,856	3,456	9,625	23,226	2,039,808	2,039,808	181,505	180
9	2,444,256	4,032	8,169	17,514	2,310,144	2,310,144	220,040	185
10	3,393,504	276,768	8,568	21,378	3,017,472	3,017,472	235,545	187
11	0	6,848,352	9,821	22,778	3,113,664	3,113,664	244,490	184
12	5,488,416	1,499,328	7,546	19,985	4,729,536	4,729,536	212,010	183
13	4,058,496	1,728	8,876	20,258	4,443,456	4,443,456	137,410	180
14	3,675,456	864	9,821	23,121	4,494,528	4,494,528	70,825	178
15	3,632,544	3,744	8,960	22,022	4,353,408	4,353,408	185,455	185
16	1,705,824	168,192	9,800	24,094	3,808,512	3,808,512	220,685	185
17	1,889,568	1,623,168	8,883	20,055	3,734,400	3,734,400	258,620	178
18	2,304	7,323,264	8,309	17,290	3,665,856	3,665,856	268,575	179
19	5,368,032	2,037,888	1,078	3,696	3,717,888	3,717,888	270,845	176
20	3,264,480	2,383,488	336	448	3,733,056	3,733,056	251,380	174
21	3,348,000	2,478,240	1,449	448	3,753,216	3,753,216	284,430	171
22	3,449,664	2,478,240	2,975	434	3,764,544	3,764,544	284,200	171
23	2,637,504	2,076,192	336	434	3,756,288	3,756,288	286,410	175
24	1,967,616	295,200	1,743	434	3,660,288	3,660,288	293,590	174
25	7,488	7,760,448	4,095	434	3,863,808	3,863,808	288,495	172
26	4,102,272	0	329	1,904	3,413,568	3,413,568	292,845	178
27	2,201,472	0	350	427	3,255,936	3,255,936	299,480	175
28	1,466,208	0	3,976	441	3,129,600	3,129,600	307,260	171
29	1,195,776	576	6,419	7,532	2,740,608	2,740,608	318,605	176
30	623,232	0	4,949	10,129	2,128,704	2,128,704	317,710	178
31	704,160	21,024	6,055	10,129	2,038,464	2,038,464	318,580	180
Total	79,771,680	44,176,320	190,260	405,335	103,405,248	103,405,248	7,045,390	7,922

Table 36. San Luis Field Division Energy Data

(in kWh)

March 2001

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	281,952	38,952	0	0	3,905,280	2,528,280
2	380,304	245,304	0	0	4,175,136	2,897,136
3	283,536	148,536	0	0	4,453,056	3,175,056
4	452,448	308,448	0	0	6,902,496	3,494,496
5	160,128	55,128	0	0	5,030,496	3,887,496
6	194,544	59,544	0	0	6,783,552	5,514,552
7	285,552	150,552	0	0	5,793,984	4,587,984
8	253,440	118,440	0	0	3,508,992	2,570,992
9	306,720	171,720	0	0	2,104,704	2,104,704
10	371,376	236,376	0	0	3,917,376	3,917,376
11	359,136	215,136	0	0	3,357,792	3,357,792
12	378,288	243,288	0	0	5,398,272	5,398,272
13	421,632	286,632	0	0	5,641,632	5,641,632
14	503,280	422,280	0	0	4,828,608	4,828,608
15	471,024	390,024	0	0	4,709,952	4,709,952
16	630,864	549,864	0	0	3,672,288	3,672,288
17	679,392	598,392	0	0	2,758,464	2,758,464
18	1,347,552	1,275,552	0	0	4,663,584	4,663,584
19	1,149,552	1,068,552	0	0	1,764,288	1,764,288
20	1,431,072	1,350,072	283,392	-38,608	992,448	992,448
21	1,558,656	1,477,656	855,936	-38,064	770,976	770,976
22	1,996,560	1,747,560	0	0	19,296	19,296
23	2,106,576	1,857,576	1,906,560	905,560	5,760	5,760
24	1,983,168	1,734,168	523,296	523,296	10,944	10,944
25	2,261,664	2,021,664	0	0	18,720	18,720
26	1,880,640	1,559,640	326,304	326,304	15,264	15,264
27	1,375,920	1,054,920	0	0	1,833,408	1,833,408
28	1,078,128	757,128	0	0	878,976	878,976
29	1,314,864	993,864	0	0	19,296	19,296
30	1,597,392	1,060,392	0	0	19,872	19,872
31	1,274,256	737,256	0	0	18,720	18,720
Total	28,769,616	22,934,616	3,895,488	1,678,488	87,973,632	76,076,632

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Pumping Plant Energy Load Data

(in kWh)

March 2001

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devils Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	4,826	10,416	31,338	30,312	32,184	406,008	393,552	889,920	3,281,760
2	3,558	8,528	27,810	26,712	28,674	369,504	388,944	894,816	3,591,360
3	6,010	14,552	35,820	33,264	35,892	363,024	404,568	886,752	3,063,600
4	4,048	9,160	27,612	26,352	28,296	681,480	721,800	1,619,136	5,845,680
5	3,008	6,160	20,286	19,242	21,492	372,960	401,544	889,344	3,266,640
6	2,900	6,840	25,218	24,390	26,388	346,824	398,016	901,440	3,313,440
7	3,224	8,240	32,418	29,700	31,932	682,344	691,344	1,495,296	5,460,480
8	3,530	6,480	28,620	26,676	28,422	532,944	599,544	1,298,016	4,767,120
9	3,482	9,184	30,726	29,556	31,968	470,160	466,272	1,027,584	3,727,440
10	2,634	6,592	29,286	28,044	29,844	410,832	432,072	922,752	3,283,920
11	2,860	7,696	28,008	25,902	28,494	452,304	454,968	1,063,296	3,869,280
12	3,496	8,256	25,362	24,372	26,442	491,904	518,544	1,157,760	4,255,200
13	3,234	7,520	30,474	28,638	31,356	395,136	364,104	800,928	2,975,040
14	3,630	9,144	29,556	28,044	29,934	486,432	460,656	979,776	3,471,120
15	6,208	14,312	42,246	39,780	42,246	406,656	401,544	906,336	3,299,040
16	6,072	15,384	38,322	37,314	39,240	477,648	515,736	1,107,648	4,032,720
17	6,546	17,656	29,070	26,406	28,458	523,944	510,480	1,162,656	4,289,760
18	7,842	18,728	31,770	28,800	32,382	1,115,928	1,190,664	2,697,120	9,815,760
19	15,262	37,704	29,304	28,350	30,132	643,896	710,568	1,547,424	5,545,440
20	15,314	40,600	24,660	24,624	26,316	653,616	582,624	1,281,888	4,601,520
21	20,382	55,048	35,820	33,840	34,830	686,736	646,272	1,425,888	5,384,160
22	24,978	66,776	44,640	42,516	45,486	878,472	896,904	1,973,952	7,140,240
23	24,880	66,848	44,568	42,282	44,658	895,536	919,008	2,029,824	7,403,040
24	22,098	60,672	37,422	35,532	37,494	962,208	1,036,368	2,369,664	8,795,520
25	8,836	24,536	28,350	26,424	28,602	1,548,936	1,652,976	3,704,832	13,643,280
26	5,250	13,560	29,790	27,432	29,628	808,632	904,176	2,008,224	7,364,880
27	16,274	43,408	34,578	33,030	34,686	1,044,288	1,066,752	2,445,984	8,964,000
28	20,916	60,536	30,906	30,060	32,454	1,038,096	1,120,752	2,476,512	9,240,480
29	18,046	54,976	44,766	42,282	44,658	1,138,680	1,146,096	2,551,104	9,228,960
30	12,106	32,080	41,580	39,528	41,580	1,105,128	1,161,720	2,615,040	9,669,600
31	9,392	23,488	39,384	36,216	38,718	786,240	859,392	1,926,720	7,113,600
Total	290,842	765,080	1,009,710	955,620	1,022,886	21,176,496	22,017,960	49,057,632	179,704,080

Table 38. Southern Field Division Energy Data

(in kWh)

March 2001

Date	West Branch			East Branch			
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic Powerplant SWP Generation	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation
1	77,000	109,656	0	138,684	816,514	1,504,992	80,346
2	108,976	105,912	0	138,040	865,524	1,964,832	101,976
3	53,872	100,440	0	144,760	815,844	1,798,752	84,966
4	64,624	145,872	0	99,232	1,504,056	1,791,360	170,877
6	67,816	112,896	0	0	771,660	1,408,416	96,684
7	68,824	113,400	0	63,560	1,184,160	1,529,760	160,524
8	67,760	123,120	0	188,020	1,182,000	1,375,104	135,912
9	66,752	118,224	0	151,872	1,025,724	1,365,792	119,931
10	67,256	113,184	0	124,964	696,144	2,098,272	81,711
11	67,424	113,688	0	170,856	924,720	1,660,224	111,531
12	67,480	127,152	0	186,536	892,140	1,682,880	113,967
13	109,256	117,072	0	86,940	586,692	1,958,208	82,425
14	67,144	111,528	0	33,712	870,516	2,007,264	85,953
15	67,536	109,728	0	147,476	878,100	1,885,152	103,005
16	63,392	112,392	0	176,680	727,848	2,860,224	83,979
17	68,208	106,344	0	188,580	1,002,336	2,194,368	114,765
18	138,768	316,872	0	424,760	2,436,984	2,662,848	273,105
19	225,456	740,736	945,000	194,600	922,536	2,680,896	132,720
20	258,552	1,450,224	827,000	79,576	684,456	2,136,672	79,296
21	215,880	728,712	960,000	58,156	1,048,476	2,169,984	86,373
22	377,944	401,544	960,000	181,804	1,088,616	1,914,720	134,274
23	351,008	488,520	960,000	199,388	1,241,004	2,144,736	163,506
24	360,192	708,768	960,000	273,980	1,691,388	1,728,864	211,848
25	497,560	122,832	960,000	426,020	2,496,204	2,310,336	317,436
26	117,656	683,712	960,000	196,308	1,644,204	2,270,688	199,899
27	388,696	647,568	960,000	201,376	1,498,224	2,113,824	187,026
28	477,064	1,061,136	1,464,000	213,612	1,692,444	2,218,944	198,387
29	482,776	1,056,384	1,464,000	196,532	1,441,464	2,254,080	189,693
30	502,152	1,106,928	1,464,000	256,228	1,248,084	2,295,264	136,248
31	454,384	959,976	1,464,000	148,092	906,312	2,239,488	119,931
Total	6,069,392	12,424,320	14,348,000	5,090,344	35,559,190	61,627,776	4,257,162